Alessandro Pezzella

List of Publications by Year
in descending order

136 papers	5,782 citations	87888 38 h-index	88630 70 g-index
148 all docs	148 docs citations	148 times ranked	5053 citing authors

#	Article	IF	Citations
1	Locating the bandgap edges of eumelanin thin films for applications in organic electronics. Journal of Chemical Technology and Biotechnology, 2022, 97, 837-843.	3.2	3
2	The interplay of chemical structure, physical properties, and structural design as a tool to modulate the properties of melanins within mesopores. Scientific Reports, 2022, 12, .	3.3	3
3	Eumelanin: From Molecular State to Film. Journal of Physical Chemistry C, 2021, 125, 3567-3576.	3.1	9
4	Promelanogenic Effects by an Annurca Apple-Based Natural Formulation in Human Primary Melanocytes. Clinical, Cosmetic and Investigational Dermatology, 2021, Volume 14, 291-301.	1.8	4
5	Multifunctional mats by antimicrobial nanoparticles decoration for bioinspired smart wound dressing solutions. Materials Science and Engineering C, 2021, 123, 111954.	7.3	31
6	Bioinspired antibacterial PVA/Melanin-TiO2 hybrid nanoparticles: the role of poly-vinyl-alcohol on their self-assembly and biocide activity. Colloids and Surfaces B: Biointerfaces, 2021, 202, 111671.	5.0	20
7	On the antioxidant activity of eumelanin biopigments: a quantitative comparison between free radical scavenging and redox properties. Natural Product Research, 2020, 34, 2465-2473.	1.8	16
8	Melanin Biopolymers: Tailoring Chemical Complexity for Materials Design. Angewandte Chemie, 2020, 132, 11292-11301.	2.0	14
9	Melanin Biopolymers: Tailoring Chemical Complexity for Materials Design. Angewandte Chemie - International Edition, 2020, 59, 11196-11205.	13.8	121
10	Characterisation of EFV12 a bio-active small peptide produced by the human intestinal isolate Lactobacillus gasseri SF1109. Beneficial Microbes, 2020, 11, 815-824.	2.4	7
11	Melanin and Melanin-Like Hybrid Materials in Regenerative Medicine. Nanomaterials, 2020, 10, 1518.	4.1	44
12	En Route to a Chiral Melanin: The Dynamic â€œFrom-Imprinted-to-Templateâ€• Supramolecular Role of Porphyrin Hetero-Aggregates During the Oxidative Polymerization of L-DOPA. Frontiers in Chemistry, 2020, 8, 616961.	3.6	5
13	Eumelanin Precursor 2-Carboxy-5,6-Dihydroxyindole (DHICA) as Doping Factor in Ternary (PEDOT:PSS/Eumelanin) Thin Films for Conductivity Enhancement. Materials, 2020, 13, 2108.	2.9	6
14	Albumin-Modified Melanin-Silica Hybrid Nanoparticles Target Breast Cancer Cells via a SPARC-Dependent Mechanism. Frontiers in Bioengineering and Biotechnology, 2020, 8, 765.	4.1	28
15	Relation between Local Structure, Electric Dipole, and Charge Carrier Dynamics in DHICA Melanin: A Model for Biocompatible Semiconductors. Journal of Physical Chemistry Letters, 2020, 11, 1045-1051.	4.6	22
16	Pyrroles and Their Benzo Derivatives: Applications. , 2020, , .		0
17	Titanium based complexes with melanin precursors as a tool for directing melanogenic pathways. Pure and Applied Chemistry, 2019, 91, 1605-1616.	1.9	14
18	Silver-nanoparticles as plasmon-resonant enhancers for eumelanin's photoacoustic signal in a self-structured hybrid nanoprobe. Materials Science and Engineering C, 2019, 102, 788-797.	7.3	29

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19	Self-assembly of 5,6-dihydroxyindole-2-carboxylic acid: polymorphism of a eumelanin building block on Au(111). Nanoscale, 2019, 11, 5422-5428.	5.6	9
20	Evidence of Unprecedented High Electronic Conductivity in Mammalian Pigment Based Eumelanin Thin Films After Thermal Annealing in Vacuum. Frontiers in Chemistry, 2019, 7, 162.	3.6	35
21	Eumelanin Graphene-Like Integration: The Impact on Physical Properties and Electrical Conductivity. Frontiers in Chemistry, 2019, 7, 121.	3.6	14
22	Eumelanin for natureâ€inspired UVâ€absorption enhancement of plastics. Polymer International, 2019, 68, 984-991.	3.1	12
23	Spontaneous wrinkle emergence in nascent eumelanin thin films. Soft Matter, 2019, 15, 9261-9270.	2.7	9
24	Impact of Eumelaninâ€“PEDOT Blending: Increased PEDOT Crystalline Order and Packingâ€“Conductivity Relationship in Ternary PEDOT:PSS:Eumelanin Thin Films. Advanced Electronic Materials, 2019, 5, 1800585.	5.1	12
25	Physical and Chemical Control of Interface Stability in Porous Siâ€“Eumelanin Hybrids. Journal of Physical Chemistry C, 2018, 122, 28405-28415.	3.1	14
26	Room-temperature surface-assisted reactivity of a melanin precursor: silver metalâ€“organic coordination <i>versus</i> covalent dimerization on gold. Nanoscale, 2018, 10, 16721-16729.	5.6	23
27	Bioinspired hybrid eumelaninâ€“TiO₂antimicrobial nanostructures: the key role of organoâ€“inorganic frameworks in tuning eumelanin's biocide action mechanism through membrane interaction. RSC Advances, 2018, 8, 28275-28283.	3.6	37
28	Eumelanin Coating of Silica Aerogel by Supercritical Carbon Dioxide Deposition of a 5,6-Dihydroxyindole Thin Film. Materials, 2018, 11, 1494.	2.9	1
29	Aqueous photo(electro)catalysis with eumelanin thin films. Materials Horizons, 2018, 5, 984-990.	12.2	31
30	Antimicrobial activity of eumelanin-based hybrids: The role of TiO 2 in modulating the structure and biological performance. Materials Science and Engineering C, 2017, 75, 454-462.	7.3	36
31	Sequential Proton-Coupled Electron Transfer Mediates Excited-State Deactivation of a Eumelanin Building Block. Journal of Physical Chemistry Letters, 2017, 8, 1004-1008.	4.6	26
32	THz spectroscopy on graphene-like materials for bio-compatible devices. Journal of Applied Physics, 2017, 121, .	2.5	24
33	Eumelaninâ€“PEDOT:PSS Complementing En Route to Mammalianâ€Pigmentâ€Based Electrodes: Design and Fabrication of an ITOâ€Free Organic Lightâ€Emitting Device. Advanced Electronic Materials, 2017, 3, 1600342.	5.1	26
34	Probing the Eumelaninâ€“Silica Interface in Chemically Engineered Bulk Hybrid Nanoparticles for Targeted Subcellular Antioxidant Protection. ACS Applied Materials & Interfaces, 2017, 9, 37615-37622.	8.0	41
35	Identification of a new small bioactive peptide from Lactobacillus gasseri supernatant. Beneficial Microbes, 2017, 8, 133-141.	2.4	12
36	Measurement of 1323 and 1487 keV resonances in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">N</mml:mi><mml:mprescripts /><mml:none /><mml:mn>15</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml mathvariant="normal">F</mml:mi><mml:mprescripts /><mml:none /><mml:mn>19</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>with the recoil separator ERN	2.9	22

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37	Anomalous evolution of broadband optical absorption reveals dynamic solid state reorganization during eumelaninÂbuild-up in thin films. Scientific Reports, 2017, 7, 522.	3.3	8
38	Eumelanin Coated PLA Electrospun Micro Fibers as Bioinspired Cradle for SH-SY5Y Neuroblastoma Cells Growth and Maturation. ACS Applied Materials & Interfaces, 2017, 9, 40070-40076.	8.0	20
39	An electrochemical study of natural and chemically controlled eumelanin. APL Materials, 2017, 5, 126108.	5.1	31
40	Melanin-based flexible supercapacitors. Journal of Materials Chemistry C, 2016, 4, 9516-9525.	5.5	125
41	Eumelanin-Based Organic Bioelectronics: Myth or Reality?. MRS Advances, 2016, 1, 3801-3810.	0.9	11
42	5,6-Dihydroxyindole-2-carboxylic Acidâ€"TiO₂ Charge Transfer Complexes in the Radical Polymerization of Melanogenic Precursor(s). Journal of Physical Chemistry C, 2016, 120, 6262-6268.	3.1	36
43	Surface-Functionalization of Nanostructured Cellulose Aerogels by Solid State Eumelanin Coating. Biomacromolecules, 2016, 17, 564-571.	5.4	45
44	Melanins and melanogenesis: from pigment cells toÂhuman health and technological applications. Pigment Cell and Melanoma Research, 2015, 28, 520-544.	3.3	347
45	Trichocyanines: a Red-Hair-Inspired Modular Platform for Dye-Based One-Time-Pad Molecular Cryptography. ChemistryOpen, 2015, 4, 370-377.	1.9	6
46	Protonic and Electronic Transport in Hydrated Thin Films of the Pigment Eumelanin. Chemistry of Materials, 2015, 27, 436-442.	6.7	158
47	Supplementing Ï€-systems: eumelanin and graphene-like integration towards highly conductive materials for the mammalian cell culture bio-interface. Journal of Materials Chemistry B, 2015, 3, 5070-5079.	5.8	40
48	Boosting, probing and switching-off visible light-induced photocurrents in eumelanin-porous silicon hybrids. RSC Advances, 2015, 5, 56704-56710.	3.6	8
49	Eumelanin 3D Architectures: Electrospun PLA Fiber Templating for Mammalian Pigment Microtube Fabrication. Biomacromolecules, 2015, 16, 1667-1670.	5.4	17
50	Melaninâ€Inspired Organic Electronics: Electroluminescence in Asymmetric Triazatruxenes. ChemPlusChem, 2015, 80, 919-927.	2.8	11
51	Titania as a driving agent for DHICA polymerization: a novel strategy for the design of bioinspired antimicrobial nanomaterials. Journal of Materials Chemistry B, 2015, 3, 2808-2815.	5.8	36
52	Stem cell-compatible eumelanin biointerface fabricated by chemically controlled solid state polymerization. Materials Horizons, 2015, 2, 212-220.	12.2	97
53	The Toluene o-Xylene Monooxygenase Enzymatic Activity for the Biosynthesis of Aromatic Antioxidants. PLoS ONE, 2015, 10, e0124427.	2.5	12
54	Superior Photoprotective Motifs and Mechanisms in Eumelanins Uncovered. Journal of the American Chemical Society, 2014, 136, 11626-11635.	13.7	85

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55	Melanins and melanogenesis: methods, standards, protocols. Pigment Cell and Melanoma Research, 2013, 26, 616-633.	3.3	365
56	Intermolecular Ï€â€Electron Perturbations Generate Extrinsic Visible Contributions to Eumelanin Black Chromophore in Model Polymers with Interrupted Interring Conjugation. Photochemistry and Photobiology, 2013, 89, 314-318.	2.5	26
57	Neuroglobin Modification by Reactive Quinone Species. Chemical Research in Toxicology, 2013, 26, 1821-1831.	3.3	23
58	Excited-State Proton-Transfer Processes of DHICA Resolved: From Sub-Picoseconds to Nanoseconds. Journal of Physical Chemistry Letters, 2013, 4, 1383-1388.	4.6	37
59	Irreversible evolution of eumelanin redox states detected by an organic electrochemical transistor: en route to bioelectronics and biosensing. Journal of Materials Chemistry B, 2013, 1, 3843.	5.8	45
60	In Situ Formation of Dendrites in Eumelanin Thin Films between Gold Electrodes. Advanced Functional Materials, 2013, 23, 5591-5598.	14.9	34
61	Towards the development of a novel bioinspired functional material: Synthesis and characterization of hybrid TiO2/DHICA-melanin nanoparticles. Materials Science and Engineering C, 2013, 33, 347-355.	7.3	33
62	Free Radical Coupling of <i>o</i>-Semiquinones Uncovered. Journal of the American Chemical Society, 2013, 135, 12142-12149.	13.7	34
63	Bottom-Up Approach to Eumelanin Photoprotection: Emission Dynamics in Parallel Sets of Water-Soluble 5,6-Dihydroxyindole-Based Model Systems. Journal of Physical Chemistry B, 2012, 116, 13151-13158.	2.6	36
64	14,15N beam from cyanide compounds. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 689, 98-101.	1.6	5
65	Atropodiastereoselectivity in solid state BINOL synthesis: Leads from the estradiol platform. Steroids, 2012, 77, 630-634.	1.8	0
66	Heparin conjugated silica nanoparticle synthesis. Materials Science and Engineering C, 2012, 32, 2037-2041.	7.3	25
67	Photovoltaic properties of PSi impregnated with eumelanin. Nanoscale Research Letters, 2012, 7, 377.	5.7	22
68	Eumelanin Buildup on the Nanoscale: Aggregate Growth/Assembly and Visible Absorption Development in Biomimetic 5,6-Dihydroxyindole Polymerization.. Biomacromolecules, 2012, 13, 2379-2390.	5.4	116
69	Glycosylated Eumelanin Building Blocks by Thioglycosylation of 5,6â€Diacetoxyindole with an Expedient Seleniumâ€Based Dynamicâ€Mixture Methodology. European Journal of Organic Chemistry, 2012, 2012, 4333-4338.	2.4	12
70	Exploring the frontiers of synthetic eumelanin polymers by highâ€resolution matrixâ€assisted laser/desorption ionization mass spectrometry. Journal of Mass Spectrometry, 2012, 47, 49-53.	1.6	35
71	Functionality of epidermal melanin pigments: current knowledge on UV-dissipative mechanisms and research perspectives. Physical Chemistry Chemical Physics, 2011, 13, 9119.	2.8	78
72	Ï€-Electron Manipulation of the 5,6-Dihydroxyindole/Quinone System by 3-Alkynylation: Mild Acid-Mediated Entry to (Cross)-Conjugated Scaffolds and Paradigms for Medium-Tunable Chromophores. Journal of Organic Chemistry, 2011, 76, 4457-4466.	3.2	12

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73	Matrix assisted pulsed laser deposition of melanin thin films. Journal of Applied Physics, 2011, 110, 026105.	2.5	22
74	Effect of substrate temperature on MAPLE deposition of synthetic eumelanin films. Applied Physics A: Materials Science and Processing, 2011, 105, 619-627.	2.3	25
75	5,6â€Dihydroxyindole Chemistry: Unexplored Opportunities Beyond Eumelanin. European Journal of Organic Chemistry, 2011, 2011, 5501-5516.	2.4	56
76	Tuning the Specificity of the Recombinant Multicomponent Toluene <i>o</i> -Xylene Monooxygenase from Pseudomonas sp. Strain OX1 for the Biosynthesis of Tyrosol from 2-Phenylethanol. Applied and Environmental Microbiology, 2011, 77, 5428-5437.	3.1	26
77	Reaction of dihydrolipoic acid with juglone and related naphthoquinones: unmasking of a spirocyclic 1,3-dithiane intermediate en route to naphtho[1,4]dithiepines. Tetrahedron, 2010, 66, 3912-3916.	1.9	9
78	UVâ€Dissipation Mechanisms in the Eumelanin Building Block DHICA. ChemPhysChem, 2010, 11, 2424-2431.	2.1	33
79	5,6â€Dihydroxyindole Oxidation in Phosphate Buffer/Polyvinyl Alcohol: A New Model System for Studies of Visible Chromophore Development in Synthetic Eumelanin Polymers. Photochemistry and Photobiology, 2010, 86, 533-537.	2.5	14
80	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
81	First synthetic entry to the trimer stage of 5,6-dihydroxyindole polymerization: ortho-alkynylaniline-based access to the missing 2,7â€²:2â€²,7â€²â€²-triindole. Organic and Biomolecular Chemistry, 2010, 8, 4243.	2.8	10
82	<i>Inâ€situ</i> solâ€gel synthesis and characterization of bioactive pHEMA/SiO₂ blend hybrids. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 369-378.	3.4	22
83	Chemical and Structural Diversity in Eumelanins: Unexplored Bioâ€Optoelectronic Materials. Angewandte Chemie - International Edition, 2009, 48, 3914-3921.	13.8	517
84	A novel fluoride-sensing scaffold by a peculiar acid-promoted trimerization of 5,6-dihydroxyindole. Tetrahedron, 2009, 65, 2032-2036.	1.9	26
85	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
86	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
87	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
88	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
89	Synthesis, structure and bioactivity of pHEMA/SiO2 hybrids derived through inÂsitu solâ€“gel process. Journal of Sol-Gel Science and Technology, 2008, 46, 166-175.	2.4	22
90	Mild and efficient iodination of aromatic and heterocyclic compounds with the NaClO2/NaI/HCl system. Tetrahedron, 2008, 64, 234-239.	1.9	41

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91	Structural Effects on the Electronic Absorption Properties of 5,6â€Đihydroxyindole 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
92	Pyrroles and their Benzo Derivatives: Structure. , 2008, , 1-43.		3
93	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
94	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
95	Pyrroles and their Benzo Derivatives: Applications. , 2008, , 353-388.		57
96	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
97	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
98	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
99	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
100	Acid-Promoted Reaction of the Stilbene Antioxidant Resveratrol with Nitrite Ions:Â Mild Phenolic Oxidation at the 4â€˜-Hydroxystiryl Sector Triggering Nitration, Dimerization, and Aldehyde-Forming Routes. Journal of Organic Chemistry, 2006, 71, 4246-4254.	3.2	19
101	Practical one-pot conversion of 17Î²-estradiol to 10Î²-hydroxy- (p-quinol) and 10Î²-chloro-17Î²-hydroxyestra-1,4-dien-3-one. Steroids, 2006, 71, 670-673.	1.8	9
102	Preparation and Oxidation Chemistry of the Catechol Estrogens: Relevance to Estrogen-Related Carcinogenesis and Potential for Drug Design. Current Bioactive Compounds, 2006, 2, 445.	0.5	0
103	The role of residue Thr249 in modulating the catalytic efficiency and substrate specificity of catechol-2,3-dioxygenase from Pseudomonas stutzeri OX1. FEBS Journal, 2006, 273, 2963-2976.	4.7	7
104	Dopaquinone redox exchange with dihydroxyindole and dihydroxyindole carboxylic acid. Pigment Cell & Melanoma Research, 2006, 19, 443-450.	3.6	86
105	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
106	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
107	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
108	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. Tetrahedron, 2005, 61, 4075-4080.	1.9	11

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109	An Expedient One-Pot Entry Catecholestrogens and Other Catechol Compounds via IBX-Mediated Phenolic Oxygenation.. ChemInform, 2005, 36, no.	0.0	0
110	Regioselective Phenol or Carbinol Glycosidation of 17Î²-Estradiol and Derivatives Thereof. Synlett, 2005, 2005, 1848-1852.	1.8	2
111	5,6-Dihydroxyindoles and Indole-5,6-diones. Advances in Heterocyclic Chemistry, 2005, 89, 1-63.	1.7	95
112	Tyrosinase-Catalyzed Oxidation of 17Î²-Estradiol:Â Structure Elucidation of the Products Formed beyond Catechol Estrogen Quinones. Chemical Research in Toxicology, 2005, 18, 1413-1419.	3.3	20
113	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. Steroids, 2005, 70, 543-550.	1.8	9
114	17Î²-Estradiol nitration by peroxidase/H2O2/NO2â^': a chemical assessment. Bioorganic and Medicinal Chemistry, 2004, 12, 2927-2936.	3.0	21
115	Oxidative Coupling of 17Î²-Estradiol:Â Inventory of Oligomer Products and Configuration Assignment of Atropoisomeric C4-Linked Biphenyl-Type Dimers and Trimers. Journal of Organic Chemistry, 2004, 69, 5652-5659.	3.2	21
116	Oxidative chemistry of hydroxytyrosol: isolation and characterisation of novel methanooxocinobenzodioxinone derivatives. Tetrahedron Letters, 2003, 44, 8289-8292.	1.4	31
117	Synthesis of optically active tetrameric melanin intermediates by oxidation of the melanogenic precursor 5,6-dihydroxyindole-2-carboxylic acid under biomimetic conditions. Tetrahedron: Asymmetry, 2003, 14, 1133-1140.	1.8	43
118	Atropoisomeric melanin intermediates by oxidation of the melanogenic precursor 5,6-dihydroxyindole-2-carboxylic acid under biomimetic conditions. Tetrahedron, 2002, 58, 3681-3687.	1.9	47
119	Formation of novel tetrahydroisoquinoline retinoids by Pictetâ€"Spengler reaction of dopamine and retinaldehyde under conditions of relevance to biological environments. Tetrahedron Letters, 2002, 43, 6719-6721.	1.4	6
120	Generation of Neurotoxins by New Reaction Pathways of Dopamine under Oxidative Stress Conditions: Contributing Etiopathological Factors in Parkinsonâ€™s Disease. , 2000, , 233-236.		0
121	6,7-Dihydroxy-1,2,3,4-tetrahydroisoquinoline formation by iron mediated dopamine oxidation: a novel route to endogenous neurotoxins under oxidative stress conditions. Tetrahedron Letters, 1999, 40, 2833-2836.	1.4	16
122	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
123	New directions in Parkinsonâ€™s research and treatment. Expert Opinion on Therapeutic Patents, 1998, 8, 1251-1268.	5.0	3
124	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
125	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
126	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

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127	Oxidative polymerisation of 5,6-dihydroxyindole-2-carboxylic acid to melanin: A new insight. Tetrahedron, 1996, 52, 7913-7920.	1.9	58
128	Mass Spectrometric Behavior of 5-S-Cysteinyldopa and Structurally Related Phenolic Compounds. Fragmentation Susceptibility of the Alkylthioether Bond Under Electron Impact and Fast Atom Bombardment Conditions. Journal of Mass Spectrometry, 1996, 31, 885-892.	1.6	2
129	A Reassessment of the Structure of 5,6-Dihydroxyindole-2-carboxylic Acid Melanins by Matrix-assisted Laser Desorption/Ionization Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 204-208.	1.5	20
130	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
131	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
132	The first characterisation of a transient 5,6-indolequinone. Tetrahedron Letters, 1996, 37, 4241-4242.	1.4	7
133	A Reassessment of the Structure of 5,6-Dihydroxyindole-2-carboxylic Acid Melanins by Matrixâ€assisted Laser Desorption/Ionization Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 204-208.	1.5	3
134	Structural Analysis of Synthetic Melanins from 5,6-Dihydroxyindole by Matrixâ€assisted Laser Desorption/Ionization Mass Spectrometry. Rapid Communications in Mass Spectrometry, 1996, 10, 468-472.	1.5	4
135	Oxidative degradation of melanins to pyrrole acids: A model study. Tetrahedron, 1995, 51, 5913-5920.	1.9	73
136	Generation of the Neurotoxin 6-Hydroxydopamine by Peroxidase/H2O2 Oxidation of Dopamine. Journal of Medicinal Chemistry, 1995, 38, 917-922.	6.4	92