

# Martine Langeron

## List of Publications by Year in descending order

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70  
papers

1,954  
citations

236925

25  
h-index

265206

42  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1625  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Biologically Inspired Cu <sup>I</sup> /Topaquinone-Like Co-Catalytic System for the Highly Atom-Economical Aerobic Oxidation of Primary Amines to Imines. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5409-5412.	13.8	167
2	Protocols for the Catalytic Oxidation of Primary Amines to Imines. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 5225-5235.	2.4	142
3	Bioinspired Oxidation Catalysts. <i>Science</i> , 2013, 339, 43-44.	12.6	125
4	A convenient extension of the Wessely-Moser rearrangement for the synthesis of substituted alkylaminoflavones as neuroprotective agents in vitro. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 835-838.	2.2	116
5	Environmentally Friendly Chemoselective Oxidation of Primary Aliphatic Amines by Using a Biomimetic Electrocatalytic System. <i>Chemistry - A European Journal</i> , 2008, 14, 996-1003.	3.3	103
6	Synthesis and in Vitro Evaluation of New 8-Amino-1,4-benzoxazine Derivatives as Neuroprotective Antioxidants. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 5043-5052.	6.4	75
7	A Biomimetic Electrocatalytic System for the Atom-Economical Chemoselective Synthesis of Secondary Amines. <i>Organic Letters</i> , 2009, 11, 883-886.	4.6	53
8	Aerobic catalytic systems inspired by copper amine oxidases: recent developments and synthetic applications. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 4722-4730.	2.8	53
9	Further Studies on the Role of Metabolites in (±)-3,4-Methylenedioxymethamphetamine-Induced Serotonergic Neurotoxicity. <i>Drug Metabolism and Disposition</i> , 2009, 37, 2079-2086.	3.3	51
10	Oxidation of Unactivated Primary Aliphatic Amines Catalyzed by an Electrogenerated 3,4-Azaquinone Species: A Small-Molecule Mimic of Amine Oxidases. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1026-1029.	13.8	50
11	Electrochemically Induced Cascade Reaction for the Assembly of Libraries of Biologically Relevant 1,4-Benzoxazine Derivatives. <i>Journal of Organic Chemistry</i> , 2006, 71, 6374-6381.	3.2	50
12	A Metalloenzyme-Like Catalytic System for the Chemoselective Oxidative Cross-Coupling of Primary Amines to Imines under Ambient Conditions. <i>Chemistry - A European Journal</i> , 2015, 21, 3815-3820.	3.3	50
13	Oxidative Deamination of Benzylamine by Electrogenerated Quinonoid Systems as Mimics of Amine Oxidoreductases Cofactors. <i>Journal of Organic Chemistry</i> , 2000, 65, 8874-8881.	3.2	48
14	Novel 1,4-benzoxazine derivatives of pharmacological interest. Electrochemical and chemical syntheses. <i>Tetrahedron</i> , 1995, 51, 4953-4968.	1.9	46
15	Novel 2-Alkylamino-1,4-benzoxazine Derivatives as Potent Neuroprotective Agents: A Structure-Activity Relationship Studies. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 1282-1286.	6.4	44
16	A Bioinspired Catalytic Aerobic Oxidative C-H Functionalization of Primary Aliphatic Amines: Synthesis of 1,2-Disubstituted Benzimidazoles. <i>Chemistry - A European Journal</i> , 2015, 21, 12606-12610.	3.3	44
17	Recent Advances in the Synthesis of Benzimidazole Derivatives from the Oxidative Coupling of Primary Amines. <i>Synthesis</i> , 2018, 50, 241-253.	2.3	37
18	4-Hydroxycinnamic Ethyl Ester Derivatives and Related Dehydrodimers: A Relationship between Oxidation Potential and Protective Effects against Oxidation of Low-Density Lipoproteins. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 2084-2091.	5.2	35

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19	Regiospecific Inverse-Electron-Demand Diels-Alder Reaction of Simultaneously Electrogenerated Diene and Dienophile: An Expeditious Route to Polyfunctionalized 1,4-Benzoxazine Derivatives. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 824.	13.8	33
20	Catalytic Oxidative Coupling of Primary Amines under Air: A Flexible Route to Benzimidazole Derivatives. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 1025-1032.	2.4	33
21	Reactivity of substituted 1,2-dithiole-3-thiones with sodium ethanethiolate: a convenient route to a novel heterocycle. <i>Tetrahedron</i> , 1987, 43, 3421-3428.	1.9	32
22	Simultaneously Electrogenerated Cycloaddition Partners for Regiospecific Inverse-Electron-Demand Diels-Alder Reactions: A Route for Polyfunctionalized 1,4-Benzoxazine Derivatives. <i>Journal of Organic Chemistry</i> , 2004, 69, 882-890.	3.2	30
23	The neuroprotective activity of 8-alkylamino-1,4-benzoxazine antioxidants. <i>European Journal of Pharmacology</i> , 2001, 424, 189-194.	3.5	29
24	Studies of the reaction of 1,2-dithiole-3-thiones with nucleophiles. <i>Tetrahedron</i> , 1985, 41, 3705-3715.	1.9	28
25	Bacterial Plate Assays and Electrochemical Methods: An Efficient Tandem for Evaluating the Ability of Catechol Thioether Metabolites of MDMA (Ecstasy) to Induce Toxic Effects through Redox-Cycling. <i>Chemical Research in Toxicology</i> , 2007, 20, 685-693.	3.3	25
26	A Bioinspired Organocatalytic Cascade for the Selective Oxidation of Amines under Air. <i>Chemistry - A European Journal</i> , 2017, 23, 6763-6767.	3.3	25
27	Protective Effects of 4-Hydroxycinnamic Ethyl Ester Derivatives and Related Dehydrodimers against Oxidation of LDL: Radical Scavengers or Metal Chelators?. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 1898-1905.	5.2	22
28	A One-Pot Regiospecific Synthesis of Highly Functionalized 1,4-Benzodioxin Derivatives from an Electrochemically Induced Diels-Alder Reaction. <i>Organic Letters</i> , 2005, 7, 5273-5276.	4.6	20
29	A dual biomimetic process for the selective aerobic oxidative coupling of primary amines using pyrogallol as a precatalyst. Isolation of the [5 + 2] cycloaddition redox intermediates. <i>Green Chemistry</i> , 2020, 22, 1894-1905.	9.0	20
30	Toward an understanding of the schistosomicidal effect of 4-methyl-5-(2-pyrazinyl)-1,2-dithiole-3-thione (oltipraz). <i>Biochemical Pharmacology</i> , 1991, 41, 361-367.	4.4	18
31	Synthesis of novel orthoalkylaminophenol derivatives as potent neuroprotective agents in vitro. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 2929-2934.	2.2	18
32	Study of the reductive metabolism pathway of 4-methyl-5-(2-pyrazinyl)-1,2-dithiole-3-thione. An electrochemical approach. <i>Tetrahedron</i> , 1986, 42, 409-415.	1.9	16
33	A convenient two-step one-pot electrochemical synthesis of novel 8-amino-1,4-benzoxazine derivatives possessing anti-stress oxidative properties. <i>Tetrahedron Letters</i> , 1998, 39, 8999-9002.	1.4	14
34	Acid Catalyzed Hydrolysis of a Series of Zopiclone Analogues. <i>Journal of Pharmaceutical Sciences</i> , 1989, 78, 627-631.	3.3	12
35	A simple one-pot electrochemical procedure for the preparation of novel 3,4-aminophenol derivatives possessing anti-stress oxidative properties. <i>Tetrahedron Letters</i> , 1998, 39, 5035-5038.	1.4	12
36	Electrochemical Oxidative Coupling of 4-Hydroxycinnamic Ester Derivatives: A Convenient Methodology for the Biomimetic Synthesis of Lignin Precursors. <i>Collection of Czechoslovak Chemical Communications</i> , 2003, 68, 1515-1530.	1.0	12

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37	Aerobic catalytic systems inspired by copper amine oxidases. <i>Pure and Applied Chemistry</i> , 2020, 92, 233-242.	1.9	12
38	Acid-catalysed N-alkyl heterolysis of tertiary pyridinecarboxamides and benzamides under mild conditions. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 1703-1710.	0.9	11
39	A small molecule that mimics the metabolic activity of copper-containing amine oxidases (CuAOs) toward physiological mono- and polyamines. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3796.	2.8	11
40	Electrochemical synthesis of 2-substituted 5-aminofurans.. <i>Tetrahedron Letters</i> , 1991, 32, 631-634.	1.4	10
41	Electrochemical reduction of pristinamycin IA and related streptogramins in aqueous acidic medium.. <i>Tetrahedron</i> , 1994, 50, 6307-6332.	1.9	10
42	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 1056-1059.	2.0	10
43	A convenient approach for evaluating the toxicity profiles of in vitro neuroprotective alkylaminophenol derivatives. <i>Free Radical Biology and Medicine</i> , 2006, 40, 791-800.	2.9	10
44	Regiospecific synthesis of neuroprotective 1,4-benzoxazine derivatives through a tandem oxidation- <i>Diels-Alder</i> reaction. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3749-3756.	2.8	10
45	Polycyclic Polyprenylated Xanthenes from <i>Symphonia globulifera</i> : Isolation and Biomimetic Electrosynthesis. <i>Journal of Natural Products</i> , 2015, 78, 2136-2140.	3.0	10
46	Electrochemical behaviour of 1,2-dithiole-3-thiones at the mercury electrode in aqueous media. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1984, 167, 183-209.	0.1	9
47	Further insight into the reaction of electrogenerated o-quinone with amino-alcohols and amines. Products and mechanism. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 2721-2728.	0.9	9
48	Efficient electrochemical cleavage of N,N-dimethylaminosulfonyl-protected indoles. <i>Tetrahedron Letters</i> , 2000, 41, 9403-9406.	1.4	9
49	A one-pot chemoselective synthesis of secondary amines by using a biomimetic electrocatalytic system. <i>Electrochimica Acta</i> , 2009, 54, 5109-5115.	5.2	9
50	Studies of the reaction of substituted 1,2-dithiole-3-thiones and -3-ones with sodium cyanide in acetonitrile. <i>Journal of Heterocyclic Chemistry</i> , 1988, 25, 1223-1225.	2.6	8
51	Electrochemical removal of the picolinoyl group under mild acidic conditions. Application to the protection of amines in peptide synthesis. <i>Tetrahedron Letters</i> , 1997, 38, 2283-2286.	1.4	8
52	Simultaneously electrogenerated diene and dienophile: A unique access to novel polyfunctionalized 1,4-benzoxazine derivatives as neuroprotective agents. <i>Electrochimica Acta</i> , 2005, 50, 4902-4910.	5.2	8
53	A convenient biomimetic synthesis of optically active putative neurotoxic metabolites of MDMA (ecstasy) from R-( <i>-</i> )- and S-(+)-N-methyl- <i>l</i> -methyldopamine precursors. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3739.	2.8	8
54	Electrochemical study of the reductive metabolism pathway of 1,2-dithiole-3-thiones. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 252, 99-108.	0.1	7

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55	Synthesis and in Vitro Cytotoxicity Profile of the (R)-Enantiomer of 3,4-Dihydroxymethamphetamine ((R)-HHMA): Comparison with Related Catecholamines. <i>Chemical Research in Toxicology</i> , 2010, 23, 211-219.	3.3	7
56	Isolation of unsymmetrical disulphides and trisulphides as by-products in the course of electrochemical reduction of dithiole-thiones. <i>Tetrahedron Letters</i> , 1989, 30, 815-816.	1.4	6
57	Effects of lithium ion-pairing on the electrochemical oxidation of 4-hydroxycinnamate derivatives. <i>Electrochimica Acta</i> , 2006, 52, 715-722.	5.2	6
58	Amine oxidases of the quinoproteins family: Their implication in the metabolic oxidation of xenobiotics. <i>Annales Pharmaceutiques Francaises</i> , 2011, 69, 53-61.	1.0	5
59	Synthesis and Neurotoxicity Profile of 2,4,5-Trihydroxymethamphetamine and Its 6-(N-Acetylcystein-S-yl) Conjugate. <i>Chemical Research in Toxicology</i> , 2011, 24, 968-978.	3.3	4
60	Electrochemical synthesis and reactivity of 3,5-dicyano-1,2,4,6-tetramethylpyridinium. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 246, 373-384.	0.1	3
61	Acid-Base Properties of Pristinamycin IA and Related Compounds. <i>Journal of Pharmaceutical Sciences</i> , 1992, 81, 565-568.	3.3	3
62	Determination of the sequential order of acidity in a polyhydroxylated benzophenone series. Consequence on the oxidation reaction in relation to hepatotoxicity. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996, , 893.	0.9	3
63	First N-alkyl heterolysis of tertiary benzamides in neutral conditions. <i>Tetrahedron Letters</i> , 2000, 41, 8781-8785.	1.4	3
64	Incidence of the peptidic lactone opening on the electrochemical reduction of pristinamycin IA. <i>Tetrahedron Letters</i> , 1996, 37, 7499-7502.	1.4	2
65	An Electrocatalytic System that Mimics the Catalytic Oxidation of Biogenic Mono- and Polyamines by Semicarbazide-sensitive Amine Oxidases (SSAOs). <i>ECS Transactions</i> , 2010, 25, 97-103.	0.5	2
66	Influence of steric crowding on the electrochemical reduction of substituted tertiary pyridylcarboxamides in aqueous acidic medium. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 495-502.	0.9	1
67	Study of the relationship between nitrogen basicity and receptor affinity in a substituted quinoline series. <i>Journal of Pharmaceutical Sciences</i> , 1990, 79, 817-821.	3.3	0
68	Oxidation of Unactivated Primary Aliphatic Amines Catalyzed by an Electrogenerated 3,4-Azaquinone Species: A Small-Molecule Mimic of Amine Oxidases.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
69	Simultaneously Electrogenerated Cycloaddition Partners for Regiospecific Inverse-Electron-Demand Diels-Alder Reactions: A Route for Polyfunctionalized 1,4-Benzoxazine Derivatives.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
70	An Electrocatalytic System that Mimics the Catalytic Oxidation of Biogenic Mono- and Polyamines by Semicarbazide-Sensitive Amine Oxidases. <i>ECS Meeting Abstracts</i> , 2009, , .	0.0	0