Erwan Poupon

List of Publications by Year
in descending order

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92 papers	2,041 citations	257450 24 h-index	315739 38 g-index
118 all docs	118 docs citations	118 times ranked	2297 citing authors

#	Article	IF	Citations
1	Chemoinformatic Exploration of â€œBioinspired Metabolomesâ€•Illuminates Diacetyl Assembly Pathways Toward Nesteretal A-Like Cage Molecules. Organic Letters, 2022, 24, 1247-1252.	4.6	3
2	Implementation of an MS/MS Spectral Library for Monoterpene Indole Alkaloids. Methods in Molecular Biology, 2022, , 87-100.	0.9	2
3	The chemistry of mavacurane alkaloids: a rich source of bis-indole alkaloids. Natural Product Reports, 2021, 38, 1852-1886.	10.3	14
4	Pyrrovobasine, hybrid alkylated pyrraline monoterpene indole alkaloid pseudodimer discovered using a combination of mass spectral and NMR-based machine learning annotations. Organic and Biomolecular Chemistry, 2021, 20, 98-105.	2.8	4
5	Bioinspired Early Divergent Oxidative Cyclizations toward Pleiocarpamine, Talbotine, and Strictamine. Organic Letters, 2021, 23, 1355-1360.	4.6	9
6	Solid-Phase Extraction Embedded Dialysis (SPEED), an Innovative Procedure for the Investigation of Microbial Specialized Metabolites. Marine Drugs, 2021, 19, 371.	4.6	3
7	Structure Reassignment of Melonine and Quantum-Chemical Calculations-Based Assessment of Biosynthetic Scenarios Leading to Its Revised and Original Structures. Organic Letters, 2021, 23, 5964-5968.	4.6	17
8	Voatriafricanines A and B, Trimeric Vobasine-Aspidosperma-Aspidosperma Alkaloids from Voacanga africana. Journal of Natural Products, 2021, 84, 2755-2761.	3.0	7
9	Phenylpropane as an Alternative Dearomatizing Unit of Indoles: Discovery of Inaequalisines A and B Using Substructure-Informed Molecular Networking. Organic Letters, 2020, 22, 6077-6081.	4.6	16
10	Biosynthetically Relevant Reactivity of Polyneuridine Aldehyde. European Journal of Organic Chemistry, 2020, 2020, 6989-6991.	2.4	3
11	In Silico Anticipation of Metabolic Pathways Extended to Organic Chemistry Reactions: A Case Study with Caffeine Alkaline Hydrolysis and The Origin of Camellimidazoles. Chemistry - A European Journal, 2020, 26, 12936-12940.	3.3	4
12	Bioinspired Divergent Oxidative Cyclizations of Geissoschizine: Total Synthesis of (â€“)â€17â€norâ€Excelsinidine, (+)â€16â€epiâ€Pleiocarpamine, (+)â€16â€Hydroxymethylâ€Pleiocarpamine and (+)â€Taberdivarine H. European Journal of Organic Chemistry, 2020, 2020, 6340-6351.	2.4	15
13	Molecular Networking Reveals Serpentinine-Related Bisindole Alkaloids from Picralima nitida, a Previously Well-Investigated Species. Journal of Natural Products, 2020, 83, 1207-1216.	3.0	22
14	Biosynthetic Routes to Natural Isocyanides. European Journal of Organic Chemistry, 2020, 2020, 1919-1929.	2.4	22
15	CANPA: Computer-Assisted Natural Products Anticipation. Analytical Chemistry, 2019, 91, 11247-11252.	6.5	29
16	Natural products targeting strategies involving molecular networking: different manners, one goal. Natural Product Reports, 2019, 36, 960-980.	10.3	156
17	Chemical Insights into the Anchinopeptolide Series. European Journal of Organic Chemistry, 2019, 2019, 5515-5518.	2.4	6
18	Bioinspired Oxidative Cyclization of the Geissoschizine Skeleton for Enantioselective Total Synthesis of Mavacuran Alkaloids. Angewandte Chemie, 2019, 131, 9966-9970.	2.0	10

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19	Bioinspired Oxidative Cyclization of the Geissoschizine Skeleton for Enantioselective Total Synthesis of Mavacuran Alkaloids. Angewandte Chemie - International Edition, 2019, 58, 9861-9865.	13.8	25
20	Collected mass spectrometry data on monoterpene indole alkaloids from natural product chemistry research. Scientific Data, 2019, 6, 15.	5.3	37
21	Insights into the Biosynthesis of Cyclic Guanidine Alkaloids from Crambeidae Marine Sponges. Angewandte Chemie - International Edition, 2019, 58, 520-525.	13.8	11
22	Insights into the Biosynthesis of Cyclic Guanidine Alkaloids from Crambeidae Marine Sponges. Angewandte Chemie, 2019, 131, 530-535.	2.0	0
23	A Ringâ€Distortion Strategy from Marine Natural Product Ilimaquinone Leads to Quorum Sensing Modulators. European Journal of Organic Chemistry, 2018, 2018, 2486-2497.	2.4	11
24	Bioinspired Oxidative Cyclization of the Geissoschizine Skeleton for the Total Synthesis of (â˜)â€17â€norâ€Excelsinidine. Angewandte Chemie - International Edition, 2018, 57, 12294-12298.	13.8	35
25	Bioinspired Oxidative Cyclization of the Geissoschizine Skeleton for the Total Synthesis of (â˜)â€17â€norâ€Excelsinidine. Angewandte Chemie, 2018, 130, 12474-12478.	2.0	14
26	Divergent Oxidative Couplings between Indoles and 2,3-Dihydroxybenzoic Acid Derivatives for the Biomimetic Synthesis of Voacalgine A and Bipleiophylline. Synthesis, 2018, 50, e4-e4.	2.3	0
27	Divergent Oxidative Couplings between Indoles and 2,3-Dihydroxybenzoic Acid Derivatives for the Biomimetic Synthesis of Voacalgine A and Bipleiophylline. Synthesis, 2018, 50, 4229-4242.	2.3	20
28	Theionbrunonines A and B: Dimeric Vobasine Alkaloids Tethered by a Thioether Bridge from Mostuea brunonis. Organic Letters, 2018, 20, 6596-6600.	4.6	25
29	DNAâ€Templated [2+2] Photocycloaddition: A Straightforward Entry into the Aplysinopsin Family of Natural Products. Angewandte Chemie - International Edition, 2018, 57, 11786-11791.	13.8	23
30	DNAâ€Templated [2+2] Photocycloaddition: A Straightforward Entry into the Aplysinopsin Family of Natural Products. Angewandte Chemie, 2018, 130, 11960-11965.	2.0	8
31	Bioelectrochemical monitoring of soluble guanylate cyclase inhibition by the natural Î²-carboline canthin-6-one. Journal of Molecular Structure, 2017, 1134, 661-667.	3.6	3
32	Revisiting Previously Investigated Plants: A Molecular Networking-Based Study of Geissospermum laeve. Journal of Natural Products, 2017, 80, 1007-1014.	3.0	45
33	Unified biomimetic assembly of voacalgine A and bipleiophylline via divergent oxidative couplings. Nature Chemistry, 2017, 9, 793-798.	13.6	83
34	Ilimaquinone and 5-epi-Ilimaquinone: Beyond a Simple Diastereomeric Ratio, Biosynthetic Considerations from NMR-Based Analysis. Australian Journal of Chemistry, 2017, 70, 743.	0.9	7
35	Phytoelectrochemical analysis of Zanthoxylum chiloperone. Phytochemical Analysis, 2017, 28, 171-175.	2.4	12
36	Chemical Constituents of Nitraria retusa Grown in Egypt. Chemistry of Natural Compounds, 2017, 53, 994-996.	0.8	3

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37	Frontispiece: An Unprecedented Blue Chromophore Found in Nature using a â€œChemistry Firstâ€•and Molecular Networking Approach: Discovery of Dactylocyanines Aâ€“H. Chemistry - A European Journal, 2017, 23, .	3.3	0
38	An Unprecedented Blue Chromophore Found in Nature using a â€œChemistry Firstâ€•and Molecular Networking Approach: Discovery of Dactylocyanines Aâ€“H. Chemistry - A European Journal, 2017, 23, 14454-14461.	3.3	25
39	Pleiokomenines A and B: Dimeric Aspidofractinine Alkaloids Tethered with a Methylene Group. Organic Letters, 2017, 19, 6180-6183.	4.6	17
40	Mimicking the Main Events of the Biosynthesis of Drimentines: Synthesis of Î”8â€²â€‰isodrimentine A and Related Compounds. European Journal of Organic Chemistry, 2016, 2016, 2954-2958.	2.4	7
41	Preakuammicine: A Longâ€Awaited Missing Link in the Biosynthesis of Monoterpene Indole Alkaloids. European Journal of Organic Chemistry, 2016, 2016, 1494-1499.	2.4	29
42	Emergence of diversity and stereochemical outcomes in the biosynthetic pathways of cyclobutane-centered marine alkaloid dimers. Natural Product Reports, 2016, 33, 820-842.	10.3	74
43	Biotransformations versus chemical modifications: new cytotoxic analogs of marine sesquiterpene ilimaquinone. Tetrahedron Letters, 2016, 57, 4922-4925.	1.4	12
44	Polyneuridine aldehyde: structure, stability overviews and a plausible origin of flavopereirine. Tetrahedron Letters, 2016, 57, 1718-1720.	1.4	8
45	Harvesting canthinones: identification of the optimal seasonal point of harvest of Zanthoxylum chiloperone leaves as a source of 5-methoxycanthin-6-one. Natural Product Research, 2015, 29, 2054-2058.	1.8	11
46	Biomimetic Assembly of Leucoridine A. European Journal of Organic Chemistry, 2015, 2015, 1894-1898.	2.4	15
47	Manipulating Simple Reactive Chemical Units: Fishing for Alkaloids from Complex Mixtures. Chemistry - A European Journal, 2015, 21, 10604-10615.	3.3	15
48	Harnessing the Intrinsic Reactivity within the Aplysinopsin Series for the Synthesis of Intricate Dimers: Natural from Start to Finish. Synthesis, 2015, 47, 2367-2376.	2.3	9
49	Spontaneous Biomimetic Formation of (Â±)â€Dictazoleâ€…B under Irradiation with Artificial Sunlight. Angewandte Chemie - International Edition, 2014, 53, 6419-6424.	13.8	32
50	5â€Aminopentaâ€2,4â€dienals: Synthesis, Activation towards Nucleophiles, Molecular Modeling and Biosynthetic Implications in Relation to the Manzamine Alkaloids. European Journal of Organic Chemistry, 2014, 2014, 4973-4984.	2.4	5
51	A Unified Bioinspired â€œAplysinopsin Cascadeâ€• Total Synthesis of (Â±)-Tubastrindole B and Related Biosynthetic Congeners. Organic Letters, 2014, 16, 4980-4983.	4.6	18
52	dsDNA, ssDNA, G-quadruplex DNA, and nucleosomal DNA electrochemical screening using canthin-6-one alkaloid-modified electrodes. Electrochimica Acta, 2014, 115, 546-552.	5.2	23
53	Solution Phase and Nanoparticular Biosynthetically Inspired Interconnections in the Canthinâ€6â€one Î²â€Carboline Series and Study of Phenotypic Properties on C. elegans. European Journal of Organic Chemistry, 2013, 2013, 5821-5828.	2.4	7
54	Biomimetic Threeâ€Component Assembly of the Central Core of Halichonadins K and L. European Journal of Organic Chemistry, 2013, 2013, 453-455.	2.4	11

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55	Solid-State Electrochemical Assay of Heme-Binding Molecules for Screening of Drugs with Antimalarial Potential. Analytical Chemistry, 2013, 85, 4014-4021.	6.5	21
56	Spontaneous Formation of Nitrarine and Polycyclic Skeletons Related to Nitraria Indolic Alkaloids under Nonâ€Enzymic Conditions. Chemistry - A European Journal, 2013, 19, 14515-14520.	3.3	6
57	Pyrone and Unusually Furanone-substituted Flavones from the Leaves of Hoslundia opposita. Planta Medica, 2012, 78, 1777-1779.	1.3	9
58	Synthesis and reactivity of pelletierine-derived building blocks and pelletierine analogs. Tetrahedron, 2012, 68, 6276-6283.	1.9	21
59	Antiproliferative Activity of trans-Avicennol from Zanthoxylum chiloperone var. angustifolium against Human Cancer Stem Cells. Journal of Natural Products, 2012, 75, 257-261.	3.0	11
60	Alkaloids from Rutaceae: activities of canthin-6-one alkaloids and synthetic analogues on glioblastoma stems cells. MedChemComm, 2012, 3, 771.	3.4	15
61	Synthesis of the Indolic Pentacyclic Core of Manadomanzamine A Following Biogenetically Based Strategies. European Journal of Organic Chemistry, 2012, 2012, 1147-1157.	2.4	10
62	Zanthoxylum chiloperone leaves extract: First sustainable Chagas disease treatment. Journal of Ethnopharmacology, 2011, 133, 986-993.	4.1	37
63	The antiplasmodium effects of a traditional South American remedy: Zanthoxylum chiloperone var. angustifolium against chloroquine resistant and chloroquine sensitive strains of Plasmodium falciparum. Revista Brasileira De Farmacognosia, 2011, 21, 652-661.	1.4	18
64	Questions about the structures of nitraraine and nitraraidine. Tetrahedron Letters, 2011, 52, 6453-6456.	1.4	7
65	Labdane diterpenoids from Aframomum sceptrum: NMR study and antiparasitic activities. Phytochemistry Letters, 2011, 4, 240-244.	1.2	24
66	Biodegradable polymeric nanoformulation based on the antiprotozoal canthin-6-one. Journal of Nanoparticle Research, 2011, 13, 6737-6746.	1.9	8
67	Composition, and Antimicrobial and Remarkable Antiprotozoal Activities of the Essential Oil of Rhizomes of Aframomum sceptrum K. <scp>Schum.</scp> (Zingiberaceae). Chemistry and Biodiversity, 2011, 8, 658-667.	2.1	25
68	Particular behavior of â€˜C6C2 unitsâ€™ in the Chichibabin pyridine synthesis and biosynthetic implications. Tetrahedron Letters, 2011, 52, 3523-3526.	1.4	16
69	Biomimetically relevant self-condensations of C5 units derived from lysine. Organic and Biomolecular Chemistry, 2010, 8, 2522.	2.8	10
70	Biosynthesis and biomimetic synthesis of alkaloids isolated from plants of the Nitraria and Myrioneuron genera: an unusual lysine-based metabolism. Natural Product Reports, 2010, 27, 32-56.	10.3	98
71	Biomimetic Synthesis of Tangutorine Following New Biogenetic Proposals. Organic Letters, 2009, 11, 1891-1894.	4.6	28
72	Biogenesis and Biomimetic Chemistry: Can Complex Natural Products Be Assembled Spontaneously?. European Journal of Organic Chemistry, 2008, 2008, 27-42.	2.4	66

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73	Highly cytotoxic and neurotoxic acetogenins of the Annonaceae: New putative biological targets of squamocin detected by activity-based protein profiling. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 5741-5744.	2.2	22
74	Effects of canthin-6-one alkaloids from Zanthoxylum chiloperone on Trypanosoma cruzi-infected mice. Journal of Ethnopharmacology, 2007, 109, 258-263.	4.1	56
75	Biogenetic Relationships between Annonaceous Acetogenins:Â Squamocin Is Not a Precursor of Chamuvarinin Based on a Semisynthetic Study. Journal of Natural Products, 2007, 70, 300-303.	3.0	10
76	Biomimetic investigations from reactive lysine-derived C5 units: one step synthesis of complex polycyclic alkaloids from the Nitraria genus. Tetrahedron, 2006, 62, 5248-5253.	1.9	28
77	Analogues of cytotoxic squamocin using reliable reactions: new insights into the reactivity and role of the Ì±,Î²-unsaturated lactone of the annonaceous acetogenins. Tetrahedron, 2006, 62, 6248-6257.	1.9	16
78	Semisynthesis and Screening of a Small Library of Pro-Apoptotic Squamocin Analogues: Selection and Study of a Benzoquinone Hybrid with an Improved Biological Profile.. ChemMedChem, 2006, 1, 118-129.	3.2	17
79	Annonaceous Acetogenins: The Hydroxyl Groups and THF Rings Are Crucial Structural Elements for Targeting the Mitochondria, Demonstration with the Synthesis of Fluorescent Squamocin Analogues. ChemBioChem, 2005, 6, 979-982.	2.6	42
80	Quinone Sesquiterpenes: A Challenge for the Development of a New Synthetic Methodology. ChemInform, 2005, 36, no.	0.0	1
81	Extraction, Hemisynthesis, and Synthesis of Canthin-6-one Analogues. Evaluation of Their Antifungal Activities. Journal of Natural Products, 2005, 68, 1581-1587.	3.0	51
82	Biomimetic One-Step Access to Nitraramine from Simple C5Units. Revision of the Previously Reported Structure of Epinitraramine to Nitraramine. Organic Letters, 2005, 7, 2497-2499.	4.6	30
83	Remarkable substituent effect: Î²-aminosquamocin, a potent dual inhibitor of mitochondrial complexes I and III. Biochimica Et Biophysica Acta - Bioenergetics, 2005, 1709, 191-194.	1.0	11
84	Reductive and Oxidative Transformations of theN-(Cyanomethyl)oxazolidine System to Expand the Chiral Pool of Piperidines. European Journal of Organic Chemistry, 2004, 2004, 4823-4829.	2.4	16
85	Synthesis of polyhydroxylated piperidines and evaluation as glycosidase inhibitors. Bioorganic and Medicinal Chemistry, 2004, 12, 5091-5097.	3.0	22
86	New Piperidine Scaffolds via Nucleophilic Reactivity of (â˜)-Phenyloxazolopiperidine. Journal of Organic Chemistry, 2004, 69, 3836-3841.	3.2	28
87	Chapter 4 Quinone sesquiterpenes: A challenge for the development of a new synthetic methodology. Strategies and Tactics in Organic Synthesis, 2004, 5, 111-131.	0.1	3
88	Synthesis of (â˜)-Ilimaquinone via a Radical Decarboxylation and Quinone Addition Reaction. Organic Letters, 2002, 4, 819-822.	4.6	49
89	Unified Synthesis of Quinone Sesquiterpenes Based on a Radical Decarboxylation and Quinone Addition Reaction. Journal of the American Chemical Society, 2002, 124, 12261-12267.	13.7	96
90	An Expeditious Total Synthesis of the Natural Stereomeric Mixture of Stenusine Following a Possible Biogenetic Pathway. Angewandte Chemie - International Edition, 2000, 39, 1493-1495.	13.8	10

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91	Chiral Nonracemic Synthesis and Reactivity of Two New Endocyclic Enamines in the Phenyloxazolopiperidine Series. Journal of Organic Chemistry, 2000, 65, 3209-3212.	3.2	17
92	New Building Blocks for Tackling the Synthesis of Polyhydroxylated Piperidines:Â Expeditious Synthesis of Amino Derivatives in the 1-Deoxynojirimycin Series. Journal of Organic Chemistry, 2000, 65, 7208-7210.	3.2	25