

Marco A Ciufolini

List of Publications by Year in descending order

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121
papers

7,899
citations

47006

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85
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134
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134
docs citations

134
times ranked

7127
citing authors

#	ARTICLE	IF	CITATIONS
1	Rational design of cationic lipids for siRNA delivery. <i>Nature Biotechnology</i> , 2010, 28, 172-176.	17.5	1,366
2	The Onpattro story and the clinical translation of nanomedicines containing nucleic acid-based drugs. <i>Nature Nanotechnology</i> , 2019, 14, 1084-1087.	31.5	814
3	Masitinib (AB1010), a Potent and Selective Tyrosine Kinase Inhibitor Targeting KIT. <i>PLoS ONE</i> , 2009, 4, e7258.	2.5	346
4	Oxidation of Oximes to Nitrile Oxides with Hypervalent Iodine Reagents. <i>Organic Letters</i> , 2009, 11, 1539-1542.	4.6	195
5	Oxidative Amidation of Phenols through the Use of Hypervalent Iodine Reagents: Development and Applications. <i>Synthesis</i> , 2007, 2007, 3759-3772.	2.3	186
6	Chiral Hypervalent Iodine Reagents in Asymmetric Reactions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 11849-11851.	13.8	160
7	Influence of Cationic Lipid Composition on Gene Silencing Properties of Lipid Nanoparticle Formulations of siRNA in Antigen-Presenting Cells. <i>Molecular Therapy</i> , 2011, 19, 2186-2200.	8.2	153
8	Total Synthesis of Tricyclic Azaspirane Derivatives of Tyrosine: \hat{A} FR901483 and TAN1251C. <i>Journal of the American Chemical Society</i> , 2001, 123, 7534-7538.	13.7	134
9	Nitrogen Heterocycles From Furans: The Aza-Achmatowicz Reaction. <i>Synlett</i> , 1998, 1998, 105-114.	1.8	114
10	Fully Stereocontrolled Total Syntheses of (\hat{a})-Cylindricine C and (\hat{a})-2-Epicylindricine C: A Departure in Sulfonamide Chemistry. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 4336-4338.	13.8	112
11	New Oxidative Transformations of Phenolic and Indolic Oxazolines: \hat{A} An Avenue to Useful Azaspirocyclic Building Blocks. <i>Journal of Organic Chemistry</i> , 2000, 65, 4397-4408.	3.2	106
12	Iterative Oxazole Assembly via \hat{I} -Chloroglycinates: Total Synthesis of (\hat{a})-Muscoride A. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 1411-1414.	13.8	102
13	Intramolecular arylations of soft enolates catalyzed by zerovalent palladium. <i>Journal of Organic Chemistry</i> , 1988, 53, 4149-4151.	3.2	97
14	Chemoenzymic synthesis of chiral furan derivatives: useful building blocks for optically active structures. <i>Journal of Organic Chemistry</i> , 1988, 53, 1607-1611.	3.2	90
15	Synthesis of Spirolactams from tyrosine amides and related substances. <i>Tetrahedron Letters</i> , 1998, 39, 4667-4670.	1.4	82
16	Development of a weak-base docetaxel derivative that can be loaded into lipid nanoparticles. <i>Journal of Controlled Release</i> , 2010, 144, 332-340.	9.9	78
17	A stereospecific route to aziridinomitocans: the synthesis of novel mitomycin congeners. <i>Journal of the American Chemical Society</i> , 1985, 107, 3891-3898.	13.7	75
18	Lipid nanoparticle siRNA systems for silencing the androgen receptor in human prostate cancer <i>in vivo</i> . <i>International Journal of Cancer</i> , 2012, 131, E781-90.	5.1	73

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19	Synthesis, chemistry and conformational properties of piperazic acids. <i>Chemical Society Reviews</i> , 1998, 27, 437.	38.1	71
20	Total Synthesis of FR901483. <i>Organic Letters</i> , 2001, 3, 765-767.	4.6	68
21	2-Pyridones from Cyanoacetamides and Enecarbonyl Compounds: Application to the Synthesis of Nothapodytine B. <i>Journal of Organic Chemistry</i> , 2002, 67, 4304-4308.	3.2	68
22	Oxidation of α -Oxo-Oximes to Nitrile Oxides with Hypervalent Iodine Reagents. <i>Journal of Organic Chemistry</i> , 2011, 76, 728-731.	3.2	68
23	Efficient palladium-mediated synthesis of a spirocyclic model for fredericamycin A. <i>Tetrahedron Letters</i> , 1987, 28, 171-174.	1.4	67
24	Oxidative Spirocyclization of Phenolic Sulfonamides: Scope and Applications. <i>Chemistry - A European Journal</i> , 2010, 16, 13262-13270.	3.3	67
25	Influence of cationic lipid composition on uptake and intracellular processing of lipid nanoparticle formulations of siRNA. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 233-246.	3.3	67
26	Efficient oxidative spirocyclization of phenolic sulfonamides. <i>Tetrahedron Letters</i> , 2002, 43, 5193-5195.	1.4	66
27	Titanium Catalysis in the Ugi Reaction of α -Amino Acids with Aromatic Aldehydes. <i>Organic Letters</i> , 2004, 6, 3281-3284.	4.6	66
28	Total Synthesis and Stereochemical Assignment of Micrococcinolide. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4198-4201.	13.8	66
29	Nitrogenous Educts through Oxidative Amidation of Phenols: The Bimolecular Reaction. <i>Organic Letters</i> , 2005, 7, 175-177.	4.6	65
30	Natural product synthesis via allylsilanes. 1. Synthesis and reactions of (1E,3E)-4-acetoxy-1-(trimethylsilyl)-1,3-butadiene and its use in the total synthesis of (+)-shikimic acid. <i>Journal of the American Chemical Society</i> , 1982, 104, 2308-2310.	13.7	62
31	Chemoenzymatic preparation of trans-2,6-dialkylpiperidines and of other azacycle building blocks. Total synthesis of (+)-desoxoprosopinine. <i>Journal of the American Chemical Society</i> , 1989, 111, 3473-3475.	13.7	62
32	The total synthesis of cystodytins. <i>Journal of the American Chemical Society</i> , 1991, 113, 8016-8024.	13.7	60
33	Synthetic aspects of the oxidative amidation of phenols. <i>Tetrahedron</i> , 2010, 66, 5884-5892.	1.9	60
34	Total Synthesis of Siphonazoles by the Use of a Conjunctive Oxazole Building Block. <i>Organic Letters</i> , 2009, 11, 2389-2392.	4.6	59
35	Alkoxyamine-Mediated Radical Synthesis of Indolinones and Indolines. <i>Organic Letters</i> , 2003, 5, 4943-4945.	4.6	58
36	Preparation of activated imines and their condensation with allylstannanes: stereoselective synthesis of 1,2-amino alcohols. <i>Journal of Organic Chemistry</i> , 1989, 54, 4739-4741.	3.2	57

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37	The aza-achmatowicz rearrangement: A route to useful building blocks for N- containing structures. <i>Tetrahedron Letters</i> , 1986, 27, 5085-5088.	1.4	56
38	A Unified Strategy for the Synthesis of Phenanthroizidine Alkaloids:Â Preparation of Sterically Congested Pyridines. <i>Journal of the American Chemical Society</i> , 1996, 118, 12082-12089.	13.7	56
39	Synthetic ventures inspired by biosynthetic hypotheses: the evolution of a method for the oxidative amidation of phenols. <i>Tetrahedron</i> , 2006, 62, 5318-5337.	1.9	55
40	Total Synthesis of Streptonigrone. <i>Journal of Organic Chemistry</i> , 2007, 72, 8489-8495.	3.2	54
41	Approach to Tetrodotoxin via the Oxidative Amidation of a Phenol. <i>Organic Letters</i> , 2009, 11, 4736-4739.	4.6	54
42	Tandem Phenolic Oxidative Amidationâ Intra-molecular Dielsâ Alder Reaction: An Approach to the Himandrine Core. <i>Organic Letters</i> , 2010, 12, 1760-1763.	4.6	54
43	Practical total synthesis of (+)-Camptothecin: The full story. <i>Tetrahedron</i> , 1997, 53, 11049-11060.	1.9	53
44	Improved Procedure for the Bimolecular Oxidative Amidation of Phenols. <i>Journal of Organic Chemistry</i> , 2008, 73, 4299-4301.	3.2	52
45	Asymmetric Oxidative Cycloetherification of Naphtholic Alcohols. <i>Chemistry - A European Journal</i> , 2017, 23, 4542-4546.	3.3	52
46	Facile palladium-mediated substitution of chlorine in 2-chloroquinolines. <i>Tetrahedron Letters</i> , 1996, 37, 8281-8284.	1.4	50
47	Micrococcin P1: Structure, biology and synthesis. <i>Natural Product Reports</i> , 2010, 27, 330.	10.3	49
48	Total Synthesis and Complete Structural Assignment of Thiocillin I. <i>Journal of the American Chemical Society</i> , 2011, 133, 5900-5904.	13.7	49
49	Synthesis of the Bycroftâ Gowland Structure of Micrococcin P1. <i>Organic Letters</i> , 1999, 1, 1843-1846.	4.6	46
50	A one-step preparation of functionalized 3-cyano-2-pyridones. <i>Tetrahedron Letters</i> , 1995, 36, 3307-3310.	1.4	45
51	Total Synthesis of (Â±)-FR66979. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 4688-4691.	13.8	45
52	The Chemical Synthesis of Tetrodotoxin: An Ongoing Quest. <i>Marine Drugs</i> , 2011, 9, 2046-2074.	4.6	45
53	A fully synthetic route to the papulacandins. Stereospecific spiroacetalization of a C-1-arylated methyl glycoside. <i>Carbohydrate Research</i> , 1987, 171, 317-327.	2.3	44
54	Studies toward Thiostrepton Antibiotics:Â Assembly of the Central Pyridineâ Thiazole Cluster of Micrococccins. <i>Journal of Organic Chemistry</i> , 1997, 62, 3804-3805.	3.2	43

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55	A useful benzannulation reaction. <i>Tetrahedron Letters</i> , 1994, 35, 1127-1130.	1.4	42
56	A Unified Strategy for the Synthesis of Sulfur-Containing Pyridoacridine Alkaloids: Antitumor Agents of Marine Origin. <i>Journal of the American Chemical Society</i> , 1995, 117, 12460-12469.	13.7	42
57	Dexamethasone prodrugs as potent suppressors of the immunostimulatory effects of lipid nanoparticle formulations of nucleic acids. <i>Journal of Controlled Release</i> , 2018, 286, 46-54.	9.9	42
58	Elevated Conformational Rigidity in Dipeptides Incorporating Piperazic Acid Derivatives. <i>Journal of the American Chemical Society</i> , 1998, 120, 80-86.	13.7	40
59	Hypervalent iodine oxidation of indolic 2-oxazolines. <i>Tetrahedron Letters</i> , 1999, 40, 4985-4988.	1.4	40
60	An Improved Synthesis of Pyridine~Thiazole Cores of Thiopeptide Antibiotics. <i>Journal of Organic Chemistry</i> , 2009, 74, 5750-5753.	3.2	40
61	Further studies on the chemistry of piperazic acids: New building blocks for β -hydroxy- α -aminoacids through the aza-achmatowicz reaction. <i>Tetrahedron Letters</i> , 1997, 38, 4947-4950.	1.4	39
62	Total Synthesis of (+)-3-Demethoxyerythratidinone and (+)-Erysotramidine via the Oxidative Amidation of a Phenol. <i>Organic Letters</i> , 2015, 17, 3422-3425.	4.6	38
63	The Niemann-Pick C1 Inhibitor NP3.47 Enhances Gene Silencing Potency of Lipid Nanoparticles Containing siRNA. <i>Molecular Therapy</i> , 2016, 24, 2100-2108.	8.2	38
64	Total Synthesis of (+)-Camptothecin. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 1692-1694.	4.4	37
65	Methodology for the Synthesis of Pyridines and Pyridones: Development and Applications. <i>Heterocycles</i> , 2007, 74, 101.	0.7	37
66	Reductive cleavage of TROC groups under neutral conditions with cadmium-lead couple. <i>Tetrahedron Letters</i> , 1995, 36, 5681-5682.	1.4	37
67	Yb(fod) ₃ -promoted ene reaction of aldehydes with vinyl ethers. <i>Tetrahedron Letters</i> , 1993, 34, 2409-2412.	1.4	35
68	Practical Synthesis of (α)-Chlorovulone II. <i>Journal of Organic Chemistry</i> , 1998, 63, 1668-1675.	3.2	35
69	Arylation of Diorganochalcogen Compounds with Diaryliodonium Triflates: Metal Catalysts Are Unnecessary. <i>Organic Letters</i> , 2014, 16, 6382-6385.	4.6	35
70	Leucomitomycins. <i>Journal of the American Chemical Society</i> , 1984, 106, 6424-6425.	13.7	34
71	A protection scheme for the preparation of acid chlorides of serine and threonine. <i>Tetrahedron Letters</i> , 1995, 36, 6595-6598.	1.4	34
72	Development of an Oxazole Conjunctive Reagent and Application to the Total Synthesis of Siphonazoles. <i>Journal of Organic Chemistry</i> , 2009, 74, 9140-9151.	3.2	34

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73	Small molecule ligands for enhanced intracellular delivery of lipid nanoparticle formulations of siRNA. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 665-674.	3.3	34
74	Total synthesis of kuanoniamines and dercitins. <i>Journal of the American Chemical Society</i> , 1992, 114, 10081-10082.	13.7	33
75	Alkoxyamine-Mediated Radical Cyclizations. <i>Organic Letters</i> , 2003, 5, 1079-1081.	4.6	30
76	An Approach to the Bis-oxazole Macrocyclic of Diazonamides. <i>Organic Letters</i> , 2011, 13, 390-393.	4.6	30
77	Synthetic studies on heterocyclic natural products. <i>Il Farmaco</i> , 2005, 60, 627-641.	0.9	29
78	Modular Lipid Nanoparticle Platform Technology for siRNA and Lipophilic Prodrug Delivery. <i>Small</i> , 2021, 17, e2103025.	10.0	29
79	Studies towards streptonigrinoids: formal synthesis of lavendamycin methyl ester. <i>Journal of the Chemical Society Chemical Communications</i> , 1993, , 1463.	2.0	28
80	Synthesis of 5-Amino-oxazole-4-carboxylates from $\hat{\pm}$ -Chloroglycinates. <i>Organic Letters</i> , 2010, 12, 3942-3945.	4.6	28
81	A remarkable ene-like reaction: Development and synthetic applications. <i>Tetrahedron</i> , 1997, 53, 16299-16312.	1.9	27
82	Total Synthesis of Luzopeptin E2. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 2493-2495.	13.8	27
83	Iodonium Metathesis Reactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9637-9639.	13.8	26
84	The constitution of micrococcin P1: the Bycroft-Gowland hypothesis confirmed. <i>Tetrahedron Letters</i> , 2002, 43, 2367-2370.	1.4	25
85	Studies toward Luzopeptins: Assembly of the Elusive Serine-PCA Dipeptide. <i>Journal of Organic Chemistry</i> , 1997, 62, 2320-2321.	3.2	24
86	Modified Knoevenagel-Stobbe preparation of substituted pyridines: a new approach to streptonigrinoids. <i>Journal of the Chemical Society Chemical Communications</i> , 1988, , 1230-1231.	2.0	22
87	An Avenue to the Sordarin Core Adaptable to Analog Synthesis. <i>Organic Letters</i> , 2007, 9, 4119-4122.	4.6	22
88	Synthetic studies toward spiroleucettadine. <i>Tetrahedron Letters</i> , 2006, 47, 3599-3601.	1.4	21
89	Synthesis of a model depsipeptide segment of Luzopeptins (BBM 928), potent antitumor and antiretroviral antibiotics. <i>Tetrahedron Letters</i> , 1989, 30, 3027-3028.	1.4	20
90	Total Synthesis of Topopyrones B and D. <i>Organic Letters</i> , 2006, 8, 4771-4774.	4.6	20

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91	Synthetic Studies toward Sordarin: Building Blocks for the Terpenoid Core and for Analogues Thereof. <i>Journal of Organic Chemistry</i> , 2009, 74, 1587-1597.	3.2	20
92	Tanshinones that selectively block the collagenase activity of cathepsin K provide a novel class of ectosteric antiresorptive agents for bone. <i>British Journal of Pharmacology</i> , 2018, 175, 902-923.	5.4	20
93	Homo-Brook route to benzazocenols and congeners via allylsilane-derived aziridines. <i>Tetrahedron Letters</i> , 2001, 42, 9175-9178.	1.4	19
94	Studies toward Soraphen A: An Aldol-Metathesis Avenue to the Macrocyclic Framework. <i>Organic Letters</i> , 2006, 8, 2791-2794.	4.6	19
95	Formal Synthesis of (±)-Tetrodotoxin via the Oxidative Amidation of a Phenol: On the Structure of the Sato Lactone. <i>Organic Letters</i> , 2015, 17, 2424-2427.	4.6	19
96	Pd-aryleurea complexes for the Heck arylation of crotonic and cinnamic substrates. <i>Tetrahedron Letters</i> , 2013, 54, 2042-2045.	1.4	18
97	Oxidative Amidation in the Naphthalene Series. <i>Synlett</i> , 2015, 26, 631-634.	1.8	18
98	Selective reactivity of electron-rich aryl iodides in the Heck arylation of disubstituted alkenes catalyzed by palladium-aryleurea complexes. <i>Tetrahedron</i> , 2013, 69, 10139-10151.	1.9	15
99	Synthetic studies towards cystodytin A: The preparation of novel cystodytin congeners. <i>Tetrahedron Letters</i> , 1989, 30, 5559-5562.	1.4	13
100	Synthetic studies on heterocyclic natural products. <i>Canadian Journal of Chemistry</i> , 2014, 92, 186-193.	1.1	13
101	Oxidative Cyclization of Naphtholic Sulfonamides Mediated by a Chiral Hypervalent Iodine Reagent: Asymmetric Synthesis versus Resolution. <i>Synlett</i> , 2019, 30, 1222-1227.	1.8	13
102	A Peterson avenue to 5-alkenyloxazoles. <i>Tetrahedron Letters</i> , 2009, 50, 6163-6165.	1.4	12
103	Total synthesis of cystodytin J, diplamine and shermilamine B. <i>Tetrahedron Letters</i> , 1995, 36, 4709-4712.	1.4	11
104	Diversity-oriented routes to thiopeptide antibiotics: total synthesis and biological evaluation of micrococcin P2. <i>Organic and Biomolecular Chemistry</i> , 2021, , .	2.8	11
105	A direct route to 2-alkyl-4-carbethoxy-5-vinyloxazoles. <i>Tetrahedron Letters</i> , 2010, 51, 4699-4701.	1.4	10
106	Application of Enelike Reactions of Aldehydes with Vinyl Ethers: A Stereoconvergent Synthesis of (±)-Phyllanthocin. <i>Journal of Organic Chemistry</i> , 1997, 62, 7806-7811.	3.2	9
107	Totalsynthese von (+)-Camptothecin. <i>Angewandte Chemie</i> , 1996, 108, 1789-1791.	2.0	8
108	Further studies toward himandrine via sequential oxidative amidation intramolecular Diels-Alder reactions. <i>Canadian Journal of Chemistry</i> , 2013, 91, 82-90.	1.1	8

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109	Pyrimethamine Derivatives: Insight into Binding Mechanism and Improved Enhancement of Mutant β -N-acetylhexosaminidase Activity. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 4483-4493.	6.4	8
110	Catalyst-Free Synthesis of Polysubstituted 5-Acylamino-1,3-Thiazoles via Hantzsch Cyclization of β -Chloroglycinates. <i>Molecules</i> , 2019, 24, 3846.	3.8	8
111	A Route to Lipid A β 15: a Key Component of a COVID-19 mRNA Vaccine. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	8
112	A unified approach to peptin antibiotics. <i>Journal of Heterocyclic Chemistry</i> , 1999, 36, 1409-1419.	2.6	6
113	Progress towards the Synthesis of Sordarin and its Analogs. <i>Organic Preparations and Procedures International</i> , 2010, 42, 111-132.	1.3	5
114	A Route to the Heterocyclic Cluster of the E-Series of Thiopeptide Antibiotics. <i>Journal of Organic Chemistry</i> , 2015, 80, 4184-4188.	3.2	4
115	Iodonium metathesis reactions of unreactive aryl iodides. <i>Tetrahedron</i> , 2017, 73, 7067-7072.	1.9	4
116	Oxidative Kinetic Resolution of Some Naphtholic Alcohols Mediated by a Chiral Hypervalent Iodine Reagent. <i>Synthesis</i> , 2018, 50, 3322-3332.	2.3	4
117	Nitric oxide in the Marfan vasculature: Friend or foe?. <i>Nitric Oxide - Biology and Chemistry</i> , 2021, 116, 27-34.	2.7	4
118	Micrococcin P2 Targets <i>Clostridioides difficile</i> . <i>Journal of Natural Products</i> , 2022, 85, 1928-1935.	3.0	4
119	Nitro-Group-Containing Thiopeptide Derivatives as Promising Agents to Target <i>Clostridioides difficile</i> . <i>Pharmaceuticals</i> , 2022, 15, 623.	3.8	3
120	Crystal structure of 2,3,6a,9-tetrahydro-1H-6,9-methanopyrrolo [2,1- \tilde{A}][2,1]benzothiazol-10(6h)-one 5,5-dioxide, $C_{11}H_{13}NO_3S$. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2009, 224, 83-84.	0.3	2
121	Synthetic Studies on Heterocyclic Natural Products. <i>ChemInform</i> , 2005, 36, no.	0.0	0