Andrey Antonchick

List of Publications by Year
in descending order

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117 papers	11,225 citations	28190 55 h-index	29081 104 g-index
186 all docs	186 docs citations	186 times ranked	7332 citing authors

#	Article	IF	Citations
1	Probing Embryonic Development Enables the Discovery of Unique Small-Molecule Bone Morphogenetic Protein Potentiators. Journal of Medicinal Chemistry, 2022, 65, 3978-3990.	2.9	7
2	The Pseudoâ€Natural Product Rhonin Targets RHOGDI. Angewandte Chemie - International Edition, 2022, 61, .	7.2	11
3	Concise synthesis of piperarborenine B. Bioorganic and Medicinal Chemistry, 2022, 67, 116817.	1.4	1
4	Iodonitrene: a direct metal-free electrophilic aminating reagent. Organic Chemistry Frontiers, 2022, 9, 3897-3907.	2.3	4
5	Methodology-driven efficient synthesis of cytotoxic (Â±)-piperarborenine B. Green Synthesis and Catalysis, 2022, 3, 339-348.	3.7	1
6	Rhodium(III)-Catalyzed Enantioselective Benzamidation of Cyclopropenes. Synthesis, 2021, 53, 2192-2200.	1.2	6
7	Natural product fragment combination to performance-diverse pseudo-natural products. Nature Communications, 2021, 12, 1883.	5.8	57
8	Electrochemical Dehydrogenative C(sp²)â^'H Amination. Chemistry - A European Journal, 2021, 27, 8008-8012.	1.7	15
9	Cascade aza-Wittig/6Ï€-Electrocyclization in the Synthesis of 1,6-Dihydropyridines. Organic Letters, 2021, 23, 6024-6029.	2.4	8
10	Dynamic Catalytic Highly Enantioselective 1,3â€Dipolar Cycloadditions. Angewandte Chemie, 2021, 133, 20165-20173.	1.6	2
11	Dynamic Catalytic Highly Enantioselective 1,3â€Dipolar Cycloadditions. Angewandte Chemie - International Edition, 2021, 60, 20012-20020.	7.2	11
12	Stereoselective Synthesis of Cyclobutanes by Contraction of Pyrrolidines. Journal of the American Chemical Society, 2021, 143, 18864-18870.	6.6	60
13	Enantioselective Synthesis of Five-Membered-Ring Atropisomers with a Chiral Rh(III) Complex. Organic Letters, 2020, 22, 9199-9202.	2.4	66
14	Catalytic Transfer Hydrogenation Using Biomass as Hydrogen Source. ChemSusChem, 2019, 12, 3094-3098.	3.6	31
15	Reactive nitrogen species: Nitrosonium ions in organic synthesis. Tetrahedron, 2019, 75, 1131-1143.	1.0	16
16	The Pseudo Natural Product Myokinasib Is a Myosin Light Chain Kinase 1 Inhibitor with Unprecedented Chemotype. Cell Chemical Biology, 2019, 26, 512-523.e5.	2.5	35
17	Catalytic Selective Metal-Free Cross-Coupling of Heteroaromatic N-Oxides with Organosilanes. Organic Letters, 2019, 21, 3407-3411.	2.4	21
18	Enantioselective Formal C(sp³)â^'H Bond Activation in the Synthesis of Bioactive Spiropyrazolone Derivatives. Angewandte Chemie, 2019, 131, 313-317.	1.6	30

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19	Enantioselective Formal C(sp³)â^'H Bond Activation in the Synthesis of Bioactive Spiropyrazolone Derivatives. Angewandte Chemie - International Edition, 2019, 58, 307-311.	7.2	108
20	Transitionâ€Metalâ€Free Radical Hydrotrifluoromethylation of Alkynes. European Journal of Organic Chemistry, 2019, 2019, 309-312.	1.2	5
21	Catalytic Enantioselective Synthesis of a Pyrrolizidineâ€"Alkaloid-Inspired Compound Collection with Antiplasmodial Activity. Journal of Organic Chemistry, 2018, 83, 7033-7041.	1.7	7
22	Enantioselective Synthesis of the Spirotropanyl Oxindole Scaffold through Bimetallic Relay Catalysis. Angewandte Chemie, 2018, 130, 14701-14705.	1.6	16
23	Enantioselective Synthesis of the Spirotropanyl Oxindole Scaffold through Bimetallic Relay Catalysis. Angewandte Chemie - International Edition, 2018, 57, 14493-14497.	7.2	54
24	Metal-Catalyzed Oxidative Coupling of Ketones and Ketone Enolates. Synthesis, 2018, 50, 2150-2162.	1.2	22
25	Aerobic, Metal-Free, and Catalytic Dehydrogenative Coupling of Heterocycles: En Route to Hedgehog Signaling Pathway Inhibitors. Organic Letters, 2018, 20, 1978-1981.	2.4	39
26	Nitrosonium ion catalysis: aerobic, metal-free cross-dehydrogenative carbonâ€"heteroatom bond formation. Chemical Communications, 2018, 54, 13022-13025.	2.2	49
27	Câ^'H Bond Activation for the Synthesis of Heterocyclic Atropisomers Yields Hedgehog Pathway Inhibitors. Angewandte Chemie, 2018, 130, 14446-14450.	1.6	43
28	Câ^'H Bond Activation for the Synthesis of Heterocyclic Atropisomers Yields Hedgehog Pathway Inhibitors. Angewandte Chemie - International Edition, 2018, 57, 14250-14254.	7.2	93
29	Enantiomerically Enriched 1,2-P,N-Bidentate Ferrocenyl Ligands for 1,3-Dipolar Cycloaddition and Transfer Hydrogenation Reactions. Molecules, 2018, 23, 1311.	1.7	6
30	Metal-Free Câ€"O Bond Functionalization: Catalytic Intramolecular and Intermolecular Benzylation of Arenes. Organic Letters, 2018, 20, 3911-3914.	2.4	34
31	Selective, Catalytic, and Metal-Free Coupling of Electron-Rich Phenols and Anilides Using Molecular Oxygen as Terminal Oxidant. Organic Letters, 2018, 20, 4077-4080.	2.4	29
32	General Enantioselective Câ^'H Activation with Efficiently Tunable Cyclopentadienyl Ligands. Angewandte Chemie - International Edition, 2017, 56, 2429-2434.	7.2	287
33	General Enantioselective Câ^'H Activation with Efficiently Tunable Cyclopentadienyl Ligands. Angewandte Chemie, 2017, 129, 2469-2474.	1.6	117
34	Enantioselective Organocatalytic Synthesis of a Secoyohimbaneâ€Inspired Compound Collection with Neuritogenic Activity. ChemBioChem, 2017, 18, 1098-1108.	1.3	8
35	A Metalâ€Free Oxidative Dehydrogenative Dielsâ€"Alder Reaction for Selective Functionalization of Alkylbenzenes. Chemistry - A European Journal, 2017, 23, 7825-7829.	1.7	19
36	Sustainable, Oxidative, and Metalâ€Free Annulation. Chemistry - A European Journal, 2017, 23, 10936-10946.	1.7	22

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37	Frontispiece: Sustainable, Oxidative, and Metalâ€Free Annulation. Chemistry - A European Journal, 2017, 23, .	1.7	0
38	Highly Enantioselective Catalytic Vinylogous Propargylation of Coumarins Yields a Class of Autophagy Inhibitors. Angewandte Chemie, 2017, 129, 11384-11388.	1.6	5
39	Highly Enantioselective Catalytic Vinylogous Propargylation of Coumarins Yields a Class of Autophagy Inhibitors. Angewandte Chemie - International Edition, 2017, 56, 11232-11236.	7.2	64
40	Free Radicals in Heterocycle Functionalization. Topics in Heterocyclic Chemistry, 2017, , 93-149.	0.2	4
41	Selective transition-metal-free vicinal cis-dihydroxylation of saturated hydrocarbons. Chemical Science, 2017, 8, 452-457.	3.7	17
42	Enantiodivergent Combination of Natural Product Scaffolds Enabled by Catalytic Enantioselective Cycloaddition. Angewandte Chemie - International Edition, 2016, 55, 7761-7765.	7.2	57
43	Catching Î±-aminoalkyl radicals: cyclization between tertiary alkylanilines and alkenes. Tetrahedron, 2016, 72, 7715-7721.	1.0	31
44	Iridium(<scp>iii</scp>)-catalyzed regioselective C7-sulfonamidation of indoles. Organic and Biomolecular Chemistry, 2016, 14, 4804-4808.	1.5	88
45	Radical trideuteromethylation with deuterated dimethyl sulfoxide in the synthesis of heterocycles and labelled building blocks. Chemical Communications, 2016, 52, 12486-12489.	2.2	53
46	Enantiodivergent Combination of Natural Product Scaffolds Enabled by Catalytic Enantioselective Cycloaddition. Angewandte Chemie, 2016, 128, 7892-7896.	1.6	20
47	Biology-Oriented Synthesis of 3,3-Spiro(2-tetrahydrofuranyl)oxindoles. Synthesis, 2016, 49, 87-95.	1.2	5
48	[1+1+1] Cyclotrimerization for the Synthesis of Cyclopropanes. Angewandte Chemie - International Edition, 2016, 55, 5290-5293.	7.2	29
49	[1+1+1] Cyclotrimerization for the Synthesis of Cyclopropanes. Angewandte Chemie, 2016, 128, 5376-5379.	1.6	11
50	Trienamine catalyzed asymmetric synthesis and biological investigation of a cytochalasin B-inspired compound collection. Organic and Biomolecular Chemistry, 2016, 14, 50-54.	1.5	10
51	Copperâ€Catalyzed (2+1) Annulation of Acetophenones with Maleimides: Direct Synthesis of Cyclopropanes. Angewandte Chemie - International Edition, 2015, 54, 14845-14848.	7.2	60
52	Metalâ€Free Oxidative Cï£¿C Bond Formation through Cï£¿H Bond Functionalization. Chemistry - A European Journal, 2015, 21, 14678-14693.	1.7	151
53	Regioselective Metal-Free Cross-Coupling of Quinoline N-Oxides with Boronic Acids. Organic Letters, 2015, 17, 3134-3137.	2.4	132
54	Catalytic Aerobic Oxidation and Tandem Enantioselective Cycloaddition in Cascade Multicomponent Synthesis. Chemistry - A European Journal, 2015, 21, 4913-4917.	1.7	17

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55	Regioselective annulation of nitrosopyridine with alkynes: straightforward synthesis of N-oxide-imidazopyridines. Chemical Communications, 2015, 51, 6119-6122.	2.2	23
56	Oxidative Heterocycle Formation Using Hypervalent Iodine(III) Reagents. Topics in Current Chemistry, 2015, 373, 75-104.	4.0	31
57	Biology-oriented synthesis of benzopyrano[3,4-c]pyrrolidines. Bioorganic and Medicinal Chemistry, 2015, 23, 2895-2903.	1.4	14
58	Rhodium(II)â€Catalyzed Enantioselective Synthesis of Troponoids. Angewandte Chemie - International Edition, 2015, 54, 7653-7656.	7.2	18
59	Hypervalent Iodine(III) in Direct Carbonâ€“Hydrogen Bond Functionalization. Synlett, 2015, 26, 1785-1803.	1.0	95
60	Copper(I)-Catalyzed Radical Addition of Acetophenones to Alkynes in Furan Synthesis. Organic Letters, 2015, 17, 4300-4303.	2.4	64
61	Hypervalent Iodine(III) in Direct Oxidative Amination of Arenes with Heteroaromatic Amines. Organic Letters, 2015, 17, 4588-4591.	2.4	94
62	Phosphine-catalyzed dearomatizing [3+2] annulations of isoquinolinium methylides with allenes. Chemical Communications, 2015, 51, 1054-1057.	2.2	25
63	Oxidative regioselective amination of chromones exposes potent inhibitors of the hedgehog signaling pathway. Chemical Communications, 2015, 51, 925-928.	2.2	45
64	Hypervalent Iodineâ€Mediated Selective Oxidative Functionalization of (Thio)chromones with Alkanes. Chemistry - A European Journal, 2014, 20, 4568-4572.	1.7	97
65	Catalytic Enantioselective 1,3-Dipolar Cycloadditions of Azomethine Ylides for Biology-Oriented Synthesis. Accounts of Chemical Research, 2014, 47, 1296-1310.	7.6	418
66	Organocatalytic Oxidative Annulation of Benzamide Derivatives with Alkynes. Angewandte Chemie - International Edition, 2014, 53, 7324-7327.	7.2	109
67	Cascade Multicomponent Synthesis of Indoles, Pyrazoles, and Pyridazinones by Functionalization of Alkenes. Angewandte Chemie - International Edition, 2014, 53, 11960-11964.	7.2	85
68	Metalâ€Free Annulation of Arenes with 2â€Aminopyridine Derivatives: The Methyl Group as a Traceless Nonâ€Chelating Directing Group. Angewandte Chemie - International Edition, 2014, 53, 8163-8166.	7.2	109
69	Synthesis of the B-seco limonoid core scaffold. Beilstein Journal of Organic Chemistry, 2014, 10, 194-208.	1.3	3
70	Catalytic asymmetric exo-selective [6+3] cycloaddition of iminoesters with fulvenes. Chemical Communications, 2013, 49, 7800.	2.2	55
71	Highly Enantioselective Catalytic Synthesis of Neurite Growth-Promoting Secoyohimbanes. Chemistry and Biology, 2013, 20, 500-509.	6.2	47
72	Rhodium(III)-Catalyzed Direct Regioselective Synthesis of 7-Substituted Indoles. Organic Letters, 2013, 15, 5662-5665.	2.4	108

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73	Metalâ€Free Crossâ€Dehydrogenative Coupling of Heterocycles with Aldehydes. Angewandte Chemie - International Edition, 2013, 52, 2082-2086.	7.2	248
74	Direct Selective Oxidative Crossâ€Coupling of Simple Alkanes with Heteroarenes. Angewandte Chemie - International Edition, 2013, 52, 3267-3271.	7.2	278
75	Metalâ€Free Oxidative Carbonâ€Heteroatom Bond Formation Through Câ€“H Bond Functionalization. European Journal of Organic Chemistry, 2013, 2013, 5769-5804.	1.2	251
76	Metalâ€Free Radical Azidoarylation of Alkenes: Rapid Access to Oxindoles by Cascade Cï£¿N and Cï£¿C Bondâ€Forming Reactions. Angewandte Chemie - International Edition, 2013, 52, 7985-7989.	7.2	254
77	Catalytic Enantioselective Synthesis of Functionalized Tropanes Reveals Novel Inhibitors of Hedgehog Signaling. Angewandte Chemie - International Edition, 2013, 52, 12892-12896.	7.2	111
78	Discovery of Inhibitors of the Wnt and Hedgehog Signaling Pathways through the Catalytic Enantioselective Synthesis of an Iridoidâ€Inspired Compound Collection. Angewandte Chemie - International Edition, 2013, 52, 12404-12408.	7.2	63
79	Metal-Free Electrocyclization at Ambient Temperature: Synthesis of 1-Arylcarbazoles. Synthesis, 2012, 44, 2325-2332.	1.2	20
80	A framework for identification of actionable cancer genome dependencies in small cell lung cancer. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 17034-17039.	3.3	167
81	Metal-Free Oxidative C-H Bond Amination at Ambient Temperature. Synlett, 2012, 23, 809-813.	1.0	28
82	Rhodium(III)-Catalyzed Direct Oxidative Cross Coupling at the C5 Position of Chromones with Alkenes. Organic Letters, 2012, 14, 6108-6111.	2.4	43
83	Organocatalytic, Oxidative, Intermolecular Amination and Hydrazination of Simple Arenes at Ambient Temperature. Organic Letters, 2012, 14, 5518-5521.	2.4	132
84	Highly Enantioselective Catalytic [6+3] Cycloadditions of Azomethine Ylides. Angewandte Chemie - International Edition, 2012, 51, 9512-9516.	7.2	115
85	Metal-free direct oxidative intermolecular diarylation of anilides at ambient temperature assisted by cascade selective formation of Câ€“C and Câ€“N bonds. Chemical Communications, 2012, 48, 3194.	2.2	105
86	Programmable enantioselective one-pot synthesis of molecules with eight stereocenters. Nature Chemical Biology, 2012, 8, 428-430.	3.9	75
87	Direct enantioselective access to 4-substituted tetrahydroquinolines by catalytic asymmetric transfer hydrogenation of quinolines. Organic and Biomolecular Chemistry, 2011, 9, 6844.	1.5	83
88	Synthesis of the B-seco limonoid scaffold. Chemical Communications, 2011, 47, 6545.	2.2	16
89	Enantioselective synthesis of the spirotryprostatin A scaffold. Tetrahedron, 2011, 67, 10195-10202.	1.0	66
90	The Pictetâ€“Spengler Reaction in Nature and in Organic Chemistry. Angewandte Chemie - International Edition, 2011, 50, 8538-8564.	7.2	581

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91	Palladiumâ€Catalyzed Double Cï£¿H Activation Directed by Sulfoxides in the Synthesis of Dibenzothiophenes. Angewandte Chemie - International Edition, 2011, 50, 5217-5220.	7.2	160
92	Organocatalytic, Oxidative, Intramolecular Cï£¿H Bond Amination and Metalâ€free Crossâ€Amination of Unactivated Arenes at Ambient Temperature. Angewandte Chemie - International Edition, 2011, 50, 8605-8608.	7.2	358
93	Highly enantioselective synthesis and cellular evaluation of spirooxindoles inspired by natural products. Nature Chemistry, 2010, 2, 735-740.	6.6	531
94	Asymmetric Synthesis of Indolines by Catalytic Enantioselective Reduction of 3H-Indoles. Organic Letters, 2010, 12, 4604-4607.	2.4	113
95	Asymmetric BrÃ¸nsted Acid Catalysis: Catalytic Enantioselective Synthesis of Highly Biologically Active Dihydroquinazolinones. Angewandte Chemie - International Edition, 2009, 48, 908-910.	7.2	197
96	The therapeutic potential of phosphatase inhibitors. Current Opinion in Chemical Biology, 2009, 13, 272-283.	2.8	144
97	A Highly Enantioselective BrÃ¸nsted Acid Catalyzed Reaction Cascade. Angewandte Chemie - International Edition, 2008, 47, 5836-5838.	7.2	117
98	Catalytic Asymmetric Aminoallylation of Aldehydes: A Catalytic Enantioselective Azaâ€Cope Rearrangement. Angewandte Chemie - International Edition, 2008, 47, 10090-10093.	7.2	102
99	BrÃ¸nsted-Acid-Catalyzed Activation of Nitroalkanes: A Direct Enantioselective Aza-Henry Reaction. Organic Letters, 2008, 10, 1731-1734.	2.4	128
100	Imine Reduction and Reductive Amination. , 2007, , 161-181.		0
101	Chiral BrÃ¸nsted Acids in the Catalytic Asymmetric Nazarov Cyclizationâ€”The First Enantioselective Organocatalytic Electrocyclic Reaction. Angewandte Chemie - International Edition, 2007, 46, 2097-2100.	7.2	287
102	Organocatalytic Enantioselective Reduction of Pyridines. Angewandte Chemie - International Edition, 2007, 46, 4562-4565.	7.2	286
103	Dual Catalysis: A Combined Enantioselective BrÃ¸nsted Acid and Metalâ€Catalyzed Reactionâ€”Metal Catalysis with Chiral Counterions. Angewandte Chemie - International Edition, 2007, 46, 6903-6906.	7.2	314
104	A Highly Enantioselective BrÃ¸nsted Acid Catalyzed Cascade Reaction: Organocatalytic Transfer Hydrogenation of Quinolines and their Application in the Synthesis of Alkaloids. Angewandte Chemie - International Edition, 2006, 45, 3683-3686.	7.2	681
105	Remarkably Low Catalyst Loading in BrÃ¸nsted Acid Catalyzed Transfer Hydrogenations: Enantioselective Reduction of Benzoxazines, Benzothiazines, and Benzoxazinones. Angewandte Chemie - International Edition, 2006, 45, 6751-6755.	7.2	295
106	Metal-Free BrÃ¸nsted Acid Catalyzed Transfer Hydrogenation - New Organocatalytic Reduction of Quinolines. Synlett, 2006, 2006, 1071-1074.	1.0	120
107	2,3-Epoxybrassinosteroids are intermediates in the biosynthesis of castasterone in seedlings of. Phytochemistry, 2005, 66, 65-72.	1.4	23
108	Preparation of (25)- and (25)-26-functionalized steroids as tools for biosynthetic studies of cholic acids. Steroids, 2005, 70, 551-562.	0.8	26

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109	Determination of brassinosteroids in the sub-femtomolar range using dansyl-3-aminophenylboronate derivatization and electrospray mass spectrometry. Rapid Communications in Mass Spectrometry, 2004, 18, 816-821.	0.7	53
110	Synthesis of [26,27-2H6]brassinosteroids from 23,24-bisnorcholenic acid methyl ester. Steroids, 2004, 69, 617-628.	0.8	26
111	Biosynthesis of 2,3-epoxybrassinosteroids in seedlings of Secale cereale. Phytochemistry, 2003, 63, 771-776.	1.4	24
112	Synthesis of [26-2H3]brassinosteroids. Steroids, 2002, 67, 587-595.	0.8	33
113	[3,3]-Claisen rearrangements in 24Î±-methyl steroid synthesis. Steroids, 2002, 67, 597-603.	0.8	26
114	Synthesis of hexadeuterated 23-dehydroxybrassinosteroids. Steroids, 2002, 67, 1101-1108.	0.8	21
115	Analysis of Underivatized Brassinosteroids by HPLC/APCI-MS. Occurrence of 3-Epibrassinolide in Arabidopsis thaliana. Collection of Czechoslovak Chemical Communications, 2001, 66, 1729-1734.	1.0	23
116	The Pseudoâ€Natural Product Rhonin Targets RHOGDI. Angewandte Chemie, 0, , .	1.6	2
117	Synthesis and Biological Investigation of 1,2,4-Triazolo[4,3-a]azines as Potential HSF1 Inductors. Synthesis, 0, , .	1.2	2