Andreas GansÃ¤uer

List of Publications by Year
in descending order

118	7,035	34016	69108
papers	citations	52 h-index	77 g-index

138	138	138	2221
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Titanocene(III)â€Catalyzed Precision Deuteration of Epoxides. Angewandte Chemie, 2022, 134, .	1.6	7
2	Titanocene(III)â€Catalyzed Precision Deuteration of Epoxides. Angewandte Chemie - International Edition, 2022, 61, e202114198.	7.2	21
3	Chemistry Dissolved in Ionic Liquids. A Theoretical Perspective. Journal of Physical Chemistry B, 2022, 126, 766-777.	1.2	9
4	A Guide to Lowâ€Valent Titanocene Complexes as Tunable Singleâ€Electron Transfer Catalysts for Applications in Organic Chemistry. ChemCatChem, 2022, 14, .	1.8	15
5	Design Platform for Sustainable Catalysis with Radicals: Electrochemical Activation of Cp₂TiCl₂ for Catalysis Unveiled. Chemistry - A European Journal, 2021, 27, 4903-4912.	1.7	16
6	Oxidation Under Reductive Conditions: From Benzylic Ethers to Acetals with Perfect Atomâ€Economy by Titanocene(III) Catalysis. Angewandte Chemie - International Edition, 2021, 60, 5482-5488.	7.2	20
7	Oxidation Under Reductive Conditions: From Benzylic Ethers to Acetals with Perfect Atomâ€Economy by Titanocene(III) Catalysis. Angewandte Chemie, 2021, 133, 5542-5548.	1.6	10
8	Titanoceneâ€Catalyzed [2+2] Cycloaddition of Bisenones and Comparison with Photoredox Catalysis and Established Methods. Angewandte Chemie - International Edition, 2021, 60, 14339-14344.	7.2	14
9	Titanoceneâ€Catalyzed [2+2] Cycloaddition of Bisenones and Comparison with Photoredox Catalysis and Established Methods. Angewandte Chemie, 2021, 133, 14460-14465.	1.6	4
10	Titanocenes as Photoredox Catalysts Using Greenâ€Light Irradiation. Angewandte Chemie - International Edition, 2020, 59, 9355-9359.	7.2	62
11	Titanocenes as Photoredox Catalysts Using Greenâ€Light Irradiation. Angewandte Chemie, 2020, 132, 9441-9445.	1.6	21
12	Merging Regiodivergent Catalysis with Atomâ€Economical Radical Arylation. Angewandte Chemie - International Edition, 2019, 58, 14208-14212.	7.2	48
13	Merging Regiodivergent Catalysis with Atomâ€Economical Radical Arylation. Angewandte Chemie, 2019, 131, 14346-14350.	1.6	16
14	The reaction of Î²,Î³â^'epoxy alcohols with titanium(III) reagents. A proposed role for intramolecular hydrogen bonding. Tetrahedron, 2019, 75, 130662.	1.0	15
15	A Divergent Duo: Palladium Catalyzed Carboamination in Enantioselective Desymmetrization and Regiodivergent Catalysis. ChemCatChem, 2019, 11, 5421-5424.	1.8	10
16	Anti-Markovnikov alcohols via epoxide hydrogenation through cooperative catalysis. Science, 2019, 364, 764-767.	6.0	130
17	Merging Catalysis in Single Electron Steps with Photoredox Catalysisâ€"Efficient and Sustainable Radical Chemistry. ACS Catalysis, 2019, 9, 3208-3212.	5.5	65
18	Condition Screening for Sustainable Catalysis in Singleâ€Electron Steps by Cyclic Voltammetry: Additives and Solvents. ChemSusChem, 2019, 12, 3166-3171.	3.6	15

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19	Mechanismâ€Based Condition Screening for Sustainable Catalysis in Singleâ€Electron Steps by Cyclic Voltammetry. Angewandte Chemie - International Edition, 2018, 57, 5006-5010.	7.2	40
20	Cp2 TiX Complexes for Sustainable Catalysis in Single-Electron Steps. Chemistry - A European Journal, 2018, 24, 6286-6286.	1.7	0
21	Cp₂TiX Complexes for Sustainable Catalysis in Singleâ€Electron Steps. Chemistry - A European Journal, 2018, 24, 6371-6379.	1.7	42
22	Mechanismâ€Based Condition Screening for Sustainable Catalysis in Singleâ€Electron Steps by Cyclic Voltammetry. Angewandte Chemie, 2018, 130, 5100-5104.	1.6	18
23	Demystifying Cp₂Ti(H)Cl and Its Enigmatic Role in the Reactions of Epoxides with Cp₂TiCl. Organometallics, 2018, 37, 4801-4809.	1.1	32
24	Synthesis of 1,3â€Amino Alcohols by Hydroxyâ€Directed Aziridination and Aziridine Hydrosilylation. Angewandte Chemie, 2018, 130, 13716-13720.	1.6	4
25	Synthesis of 1,3â€Amino Alcohols by Hydroxyâ€Directed Aziridination and Aziridine Hydrosilylation. Angewandte Chemie - International Edition, 2018, 57, 13528-13532.	7.2	19
26	Frontispiece: Regiodivergent Catalysis: A Powerful Tool for Selective Catalysis. Chemistry - A European Journal, 2017, 23, .	1.7	0
27	S_N2 Reactions at Tertiary Carbon Centers in Epoxides. Angewandte Chemie, 2017, 129, 9851-9854.	1.6	13
28	S_N2 Reactions at Tertiary Carbon Centers in Epoxides. Angewandte Chemie - International Edition, 2017, 56, 9719-9722.	7.2	37
29	Titanoceneâ€Catalyzed Radical Opening of Nâ€Acylated Aziridines. Angewandte Chemie, 2017, 129, 12828-12831.	1.6	22
30	Titanoceneâ€Catalyzed Radical Opening of Nâ€Acylated Aziridines. Angewandte Chemie - International Edition, 2017, 56, 12654-12657.	7.2	67
31	Reductive Electron Transfer in the Synthesis of Heterocycles. Topics in Heterocyclic Chemistry, 2017, , 253-283.	0.2	2
32	Regiodivergent Catalysis: A Powerful Tool for Selective Catalysis. Chemistry - A European Journal, 2017, 23, 19-32.	1.7	98
33	Amideâ€Substituted Titanocenes in Hydrogenâ€Atom Transfer Catalysis. Angewandte Chemie - International Edition, 2016, 55, 1523-1526.	7.2	42
34	Hochaktive Titanocenâ€Katalysatoren fÃ¼r Epoxidâ€Hydrosilylierungen â€“ Synthese, Theorie, Kinetik, EPRâ€Spektroskopie. Angewandte Chemie, 2016, 128, 7801-7805.	1.6	27
35	General, Highly Selective Synthesis of 1,3â€•and 1,4â€Difunctionalized Building Blocks by Regiodivergent Epoxide Opening. Angewandte Chemie, 2016, 128, 12209-12213.	1.6	23
36	General, Highly Selective Synthesis of 1,3â€•and 1,4â€Difunctionalized Building Blocks by Regiodivergent Epoxide Opening. Angewandte Chemie - International Edition, 2016, 55, 12030-12034.	7.2	50

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37	Synthesis of Dihydropyrrolizine and Tetrahydroindolizine Scaffolds from Pyrroles by Titanocene(III) Catalysis. Angewandte Chemie - International Edition, 2016, 55, 9719-9722.	7.2	40
38	Synthesis of Dihydropyrrolizine and Tetrahydroindolizine Scaffolds from Pyrroles by Titanocene(III) Catalysis. Angewandte Chemie, 2016, 128, 9871-9874.	1.6	12
39	Amidâ€substituierte Titanocene fÃ¼r die Hâ€Atomâ€Transferâ€Katalyse. Angewandte Chemie, 2016, 128, 1546-1550.	1.6	17
40	Highly Active Titanocene Catalysts for Epoxide Hydrosilylation: Synthesis, Theory, Kinetics, EPR Spectroscopy. Angewandte Chemie - International Edition, 2016, 55, 7671-7675.	7.2	57
41	Titelbild: Amidâ€substituierte Titanocene fÃ¼r die Hâ€Atomâ€Transferâ€Katalyse (Angew. Chem. 4/2016). Angewandte Chemie, 2016, 128, 1233-1233.	1.6	0
42	Synthesis of Î±â€Chiral Butyrolactones by Highly Stereoselective Radical Transfer or Sequential Asymmetric Alkylations: Concise Preparation of Leupyrrin Moieties. Chemistry - A European Journal, 2015, 21, 16266-16271.	1.7	13
43	Kationische Titanocen(III)â€Komplexe fÃ¼r die Katalyse in Einâ€Elektronenâ€Schritten. Angewandte Chemie, 2015, 127, 7109-7112.	1.6	35
44	Metalâ€Catalyzed Î²â€Functionalization of Michael Acceptors through Reductive Radical Addition Reactions. Angewandte Chemie - International Edition, 2015, 54, 14232-14242.	7.2	115
45	Cationic Titanocene(III) Complexes for Catalysis in Singleâ€Electron Steps. Angewandte Chemie - International Edition, 2015, 54, 7003-7006.	7.2	85
46	Hydroxyâ€Directed, Fluorideâ€Catalyzed Epoxide Hydrosilylation for the Synthesis of 1,4â€Diols. Angewandte Chemie - International Edition, 2015, 54, 6931-6934.	7.2	30
47	Mechanistic Study of the Titanocene(III)â€Catalyzed Radical Arylation of Epoxides. Chemistry - A European Journal, 2015, 21, 280-289.	1.7	71
48	Triazol-substituted titanocenes by strain-driven 1,3-dipolar cycloadditions. Beilstein Journal of Organic Chemistry, 2014, 10, 1630-1637.	1.3	3
49	Highly regioselective and chemoselective titanocene mediated Barbier-type allylation reactions. Chemical Communications, 2014, 50, 2211-2213.	2.2	13
50	Selective Reduction of Aromatic Ketones in Aqueous Medium Mediated by Ti(III)/Mn: A Revised Mechanism. Journal of Organic Chemistry, 2014, 79, 7672-7676.	1.7	20
51	Substituent Effects and Supramolecular Interactions of Titanocene(III) Chloride: Implications for Catalysis in Single Electron Steps. Journal of the American Chemical Society, 2014, 136, 1663-1671.	6.6	78
52	Synthetic and Computational Evaluation of Regiodivergent Epoxide Opening for Diol and Polyol Synthesis. Chemistry - an Asian Journal, 2014, 9, 2289-2294.	1.7	19
53	Radical-Based Epoxide Opening by Titanocenes. Inorganic Chemistry, 2013, 52, 11859-11866.	1.9	20
54	Computational study of the rate constants and free energies of intramolecular radical addition to substituted anilines. Beilstein Journal of Organic Chemistry, 2013, 9, 1620-1629.	1.3	27

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55	Reductive Cleavage of 2,2,2-Trichloroethyl Esters by Titanocene Catalysis. Chimia, 2012, 66, 433-434.	0.3	3
56	Combining the Power of Ti^{III}â€Mediated Processes for Easy Access to Hydroxylated Polycyclic Terpenoids: Synthesis of Sesterstatinâ€...1 and Câ€“D Rings of Aspergilloxide. Chemistry - A European Journal, 2012, 18, 12825-12833.	1.7	29
57	H₂O Activation for Hydrogenâ€Atom Transfer: Correct Structures and Revised Mechanisms. Angewandte Chemie - International Edition, 2012, 51, 3266-3270.	7.2	72
58	Catalytic, Atomâ€Economical Radical Arylation of Epoxides. Angewandte Chemie - International Edition, 2012, 51, 4739-4742.	7.2	124
59	Catalytic Hydrogen Atom Transfer (HAT) for Sustainable and Diastereoselective Radical Reduction. Angewandte Chemie - International Edition, 2012, 51, 8891-8894.	7.2	95
60	Radical 4â€exo Cyclizations via Template Catalysis. Chemistry - A European Journal, 2012, 18, 2591-2599.	1.7	25
61	Radical Cyclizations Terminated by Ir-Catalyzed Hydrogen Atom Transfer. Journal of the American Chemical Society, 2011, 133, 416-417.	6.6	67
62	Hydrogen Atom Donors: Recent Developments. Topics in Current Chemistry, 2011, 320, 93-120.	4.0	33
63	Bioinspired terpene synthesis: a radical approach. Chemical Society Reviews, 2011, 40, 3525.	18.7	117
64	Regiodivergent epoxide opening (REO) via electron transfer: control elements. Tetrahedron: Asymmetry, 2010, 21, 1361-1369.	1.8	11
65	Catalytic Enantioselective Radical Cyclization via Regiodivergent Epoxide Opening. Journal of the American Chemical Society, 2010, 132, 11858-11859.	6.6	110
66	Tiâ€Catalyzed Barbierâ€Type Allylations and Related Reactions. Chemistry - A European Journal, 2009, 15, 2774-2791.	1.7	93
67	4â€exo Cyclizations by Template Catalysis. Angewandte Chemie - International Edition, 2009, 48, 8882-8885.	7.2	65
68	Formal total synthesis of (Â±)-fragranol via template catalyzed 4-exo cyclization. Tetrahedron, 2009, 65, 10791-10796.	1.0	18
69	Sustainable radical reduction through catalyzed hydrogen atom transfer reactions (CHAT-reactions). Tetrahedron, 2009, 65, 4984-4991.	1.0	19
70	Catalysis via Homolytic Substitutions with Câˆ'O and Tiâˆ'O Bonds: Oxidative Additions and Reductive Eliminations in Single Electron Steps. Journal of the American Chemical Society, 2009, 131, 16989-16999.	6.6	113
71	Novel Organometallic Gelators with Enhanced Amphiphilic Character: Structureâˆ'Property Correlations, Principles for Design, and Diversity of Gelation. Organometallics, 2009, 28, 1377-1382.	1.1	36
72	Carbonylâ€Substituted Titanocenes: A Novel Class of Cytostatic Compounds with High Antitumor and Antileukemic Activity. Chemistry - A European Journal, 2008, 14, 4160-4163.	1.7	32

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73	Titanocene catalyzed opening of oxetanes. Tetrahedron, 2008, 64, 11839-11845.	1.0	41
74	Modular Synthesis of Functional Titanocenes. Organometallics, 2008, 27, 5699-5707.	1.1	36
75	Sustainable Radical Reduction through Catalytic Hydrogen Atom Transfer. Journal of the American Chemical Society, 2008, 130, 6916-6917.	6.6	99
76	Menthyl-Substituted Group 4 Metallocene Dihalides. Organometallics, 2008, 27, 5846-5851.	1.1	22
77	Titanocene Catalyzed 4-exoCyclizations:Â Mechanism, Experiment, Catalyst Design. Journal of the American Chemical Society, 2008, 130, 1788-1796.	6.6	72
78	A tailored organometallic gelator with enhanced amphiphilic character and structural diversity of gelation. Chemical Communications, 2007, , 1894-1895.	2.2	73
79	Mechanism of Titanocene-Mediated Epoxide Opening through Homolytic Substitution. Journal of the American Chemical Society, 2007, 129, 1359-1371.	6.6	135
80	Titanocene-Catalyzed Regiodivergent Epoxide Openings. Journal of the American Chemical Society, 2007, 129, 3484-3485.	6.6	140
81	Reductive Câ€“C Bond Formation after Epoxide Opening via Electron Transfer. , 2007, , 25-52.		127
82	Regiodivergent Epoxide Opening: A Concept in Stereoselective Catalysis beyond Classical Kinetic Resolutions and Desymmetrizations. Chemistry - A European Journal, 2007, 13, 8084-8090.	1.7	81
83	Stereocontrolled Coupling between Aldehydes and Conjugated Alkenals Mediated by TiIII/H2O. Organic Letters, 2006, 8, 5433-5436.	2.4	63
84	An improved synthesis of Kaganâ€™s menthyl substituted titanocene and zirconocene dichloride, comparison of their crystal structures, and preliminary catalyst evaluation. Journal of Organometallic Chemistry, 2006, 691, 2327-2331.	0.8	24
85	Elucidation of the Mechanism of Titanocene-Mediated Epoxide Opening by a Combined Experimental and Theoretical Approach. Angewandte Chemie - International Edition, 2006, 45, 2041-2044.	7.2	89
86	Transition-Metal-Catalyzed Allylic Substitution and Titanocene-Catalyzed Epoxypolyene Cyclization as a Powerful Tool for the Preparation of Terpenoids. European Journal of Organic Chemistry, 2006, 2006, 4115-4127.	1.2	62
87	Catalytic Epoxypolyene Cyclization via Radicals: Highly Diastereoselective Formal Synthesis of Puupehedione and 8-epi-Puupehedione. Synlett, 2006, 2006, 927-929.	1.0	46
88	Efficient and Stereoselective Synthesis of Precursors for Epoxypolyene Cyclizations via Allylic Substitutions. Synlett, 2005, 2005, 1954-1956.	1.0	15
89	A Combined Theoretical and Experimental Study of Efficient and Fast Titanocene-Catalyzed3-exoCyclizations. Journal of the American Chemical Society, 2005, 127, 7071-7077.	6.6	73
90	A Modular and Efficient Synthesis of Functional Titanocenes. Journal of the American Chemical Society, 2005, 127, 11622-11623.	6.6	58

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91	The Effect of Open and Closed Structures of Titanocenes on the Control of Diastereoselectivity of Radical Reactions. Organometallics, 2004, 23, 1168-1171.	1.1	28
92	A Radical Roundabout for an Unprecedented Tandem Reaction Including a Homolytic Substitution with a Titanium-Oxygen Bond. European Journal of Organic Chemistry, 2004, 2004, 2337-2351.	1.2	61
93	Polarity Matching of Radical Trapping: High Yielding 3-exo and 4-exo Cyclizations. Chemistry - A European Journal, 2004, 10, 4983-4990.	1.7	60
94	Unprecedented Barbier-type reactions catalysed by titanocene(iii). Chemical Communications, 2004, , 2628-2629.	2.2	61
95	Reagent-Controlled Stereoselectivity in Titanocene-Catalyzed Epoxide Openings: Reductions and Intermolecular Additions to ,-Unsaturated Carbonyl Compounds. Chemistry - A European Journal, 2003, 9, 531-542.	1.7	109
96	Strained Heterocycles in Radical Chemistry. Angewandte Chemie - International Edition, 2003, 42, 5556-5573.	7.2	168
97	A Radical Tandem Reaction with Homolytic Cleavage of a Tï£¿O Bond. Angewandte Chemie - International Edition, 2003, 42, 3687-3690.	7.2	110
98	Titanocene-catalysed, selective reduction of ketones in aqueous media. A safe, mild, inexpensive procedure for the synthesis of secondary alcohols via radical chemistry. Tetrahedron Letters, 2003, 44, 1079-1082.	0.7	28
99	Organische Chemie 2002. Nachrichten Aus Der Chemie, 2003, 51, 286-315.	0.0	3
100	Stereoselective Synthesis of Tri- and Tetrasubstituted Olefins by Tandem Cyclization Addition Reactions Featuring Vinyl Radicals. Angewandte Chemie - International Edition, 2002, 41, 3206-3208.	7.2	70
101	Titanocene-Catalysed Electron Transfer-Mediated Opening of Epoxides. Advanced Synthesis and Catalysis, 2002, 344, 465.	2.1	75
102	A comparison of electron transfer reagents in the reductive opening of epoxides: reasons for the superiority of titanocene based complexes. Tetrahedron, 2002, 58, 7017-7026.	1.0	55
103	Conformational Preferences of Titanocene Dichlorides with Ligands Derived from Menthol:Â Comparison of Structures in Solution and in the Crystal. Organometallics, 2001, 20, 914-919.	1.1	33
104	Titanocene-Catalysed Enantioselective Opening ofmeso-Epoxides. Advanced Synthesis and Catalysis, 2001, 343, 785-787.	2.1	63
105	Titanocene Catalysed 5-exoCyclisations of Unsaturated Epoxides- Reagent Control in Radical Chemistry. Synthesis, 2001, 2001, 2500.	1.2	38
106	Reagent-Controlled Transition-Metal-Catalyzed Radical Reactions. Chemical Reviews, 2000, 100, 2771-2788.	23.0	385
107	A Catalytic Enantioselective Electron Transfer Reaction: Titanocene-Catalyzed Enantioselective Formation of Radicals frommeso-Epoxides. Angewandte Chemie - International Edition, 1999, 38, 2909-2910.	7.2	141
108	Titanocene-Catalyzed Pinacol Couplings: Reagent-ControlledTransition-Metal-Catalyzed Radical Reactions. European Journal of Organic Chemistry, 1998, 1998, 1923-1927.	1.2	60

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109	A Novel Concept for Transition-Metal-Catalyzed Reactions: Electron Transfer under Buffered Protic Conditions. European Journal of Organic Chemistry, 1998, 1998, 2673-2676.	1.2	50
110	Catalytic, Highly Regio- and Chemoselective Generation of Radicals from Epoxides: Titanocene Dichloride as an Electron Transfer Catalyst in Transition Metal Catalyzed Radical Reactions. Angewandte Chemie - International Edition, 1998, 37, 101-103.	7.2	193
111	Dramatic rate acceleration in titanocene catalyzed epoxide openings: cofactors and Lewis acid cocatalysis. Chemical Communications, 1998, , 2143-2144.	2.2	65
112	Emergence of a Novel Catalytic Radical Reaction:Â Titanocene-Catalyzed Reductive Opening of Epoxides. Journal of the American Chemical Society, 1998, 120, 12849-12859.	6.6	323
113	Novel Concept for Efficient Transition-Metal-Catalyzed Reactions:Â A Highly Diastereoselective Titanocene-Catalyzed Pinacol Coupling under Buffered Protic Conditions. Journal of Organic Chemistry, 1998, 63, 2070-2071.	1.7	105
114	Titanocenes as Electron Transfer Catalysts: Reagent Controlled Catalytic Radical Reactions. Synlett, 1998, 1998, 801-809.	1.0	58
115	Highly Diastereoselective Titanocene Catalysed Pinacol Couplings. Synlett, 1997, 1997, 363-364.	1.0	63
116	Pinacol coupling of aromatic aldehydes catalysed by a titanocene complex: a transition metal catalysed radical reaction. Chemical Communications, 1997, , 457-458.	2.2	106
117	The Mechanism of Epoxide Opening through Electron Transfer: Experiment and Theory in Concert. , 0, , 39-69.		22
118	Titanocene-Catalyzed Regiodivergent Epoxide Opening â€“ From Desymmetrizing meso-Epoxides to Regiodivergent Arylation of Epoxides. Synthesis, 0, 52, .	1.2	3