

# Peter Gaertner

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7932502/publications.pdf>

Version: 2024-02-01

67  
papers

1,776  
citations

361045

20  
h-index

288905

40  
g-index

71  
all docs

71  
docs citations

71  
times ranked

1597  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Iron-Containing Ionic Liquid as Recyclable Catalyst for Aryl Grignard Cross-Coupling of Alkyl Halides. <i>Organic Letters</i> , 2006, 8, 733-735.	2.4	182
2	Applications of Chiral Ionic Liquids. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3235-3250.	1.2	171
3	Total synthesis of brevetoxin A. <i>Nature</i> , 1998, 392, 264-269.	13.7	161
4	Total Synthesis of Brevetoxin A: Part 4: Final Stages and Completion. <i>Chemistry - A European Journal</i> , 1999, 5, 646-658.	1.7	91
5	Micellar catalysis in aqueous ionic liquid systems. <i>Chemical Communications</i> , 2012, 48, 5013.	2.2	79
6	Ionic liquids and fragrances – direct isolation of orange essential oil. <i>Green Chemistry</i> , 2011, 13, 1997.	4.6	76
7	Total Synthesis of Brevetoxin A: Part 2: Second Generation Strategy and Construction of EFGH Model System. <i>Chemistry - A European Journal</i> , 1999, 5, 618-627.	1.7	68
8	Surface-active ionic liquids in micellar catalysis: impact of anion selection on reaction rates in nucleophilic substitutions. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 13375-13384.	1.3	68
9	Total Synthesis of Brevetoxin A: Part 3: Construction of GHIJ and BCDE Ring Systems. <i>Chemistry - A European Journal</i> , 1999, 5, 628-645.	1.7	59
10	From plant to drug: ionic liquids for the reactive dissolution of biomass. <i>Green Chemistry</i> , 2011, 13, 1442.	4.6	58
11	New aspects for biomass processing with ionic liquids: towards the isolation of pharmaceutically active betulin. <i>Green Chemistry</i> , 2012, 14, 940.	4.6	57
12	Metal-Containing Ionic Liquids as Efficient Catalysts for Hydroxymethylation in Water. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3453-3456.	1.2	55
13	Surface-active Ionic Liquids for Micellar Extraction of Piperine from Black Pepper. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013, 68, 1129-1137.	0.3	46
14	Exploring ionic liquid-biomass interactions: towards the improved isolation of shikimic acid from star anise pods. <i>RSC Advances</i> , 2013, 3, 26010.	1.7	43
15	Enantioselective addition of organometallics to aldehydes using camphor derived chiral 1,4-aminoalcohols as ligands. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 3969-3975.	1.8	41
16	Coordinating Chiral Ionic Liquids: Design, Synthesis, and Application in Asymmetric Transfer Hydrogenation under Aqueous Conditions. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 2374-2381.	1.2	37
17	Basic chiral ionic liquids: A novel strategy for acid-free organocatalysis. <i>Catalysis Today</i> , 2013, 200, 80-86.	2.2	29
18	Direct extraction of genomic DNA from maize with aqueous ionic liquid buffer systems for applications in genetically modified organisms analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 7773-7784.	1.9	25

#	ARTICLE	IF	CITATIONS
19	Chiral linker. Part 4: Diastereoselective addition of RZnX to $\hat{\text{I}}\pm$ -keto esters using m-hydrobenzoin derived chiral auxiliaries in solution and on solid support and their application in the stereoselective synthesis of frontalin. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2430-2441.	1.8	24
20	Unambiguous identification and characterization of a long-term human metabolite of dehydrochloromethyltestosterone. <i>Drug Testing and Analysis</i> , 2018, 10, 1244-1250.	1.6	22
21	Amino alcohol-derived chiral ionic liquids: structural investigations toward chiral recognition. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 1069-1082.	1.8	20
22	Fast and efficient extraction of DNA from meat and meat derived products using aqueous ionic liquid buffer systems. <i>New Journal of Chemistry</i> , 2015, 39, 4994-5002.	1.4	20
23	Toward a benign strategy for the manufacturing of betulinic acid. <i>Green Chemistry</i> , 2017, 19, 1014-1022.	4.6	17
24	New camphor derived chiral ligands for asymmetric synthesis. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 4009-4020.	1.8	16
25	Chiral linker. Part 3: Synthesis and evaluation of aryl substituted m-hydrobenzoin as solid supported open chain chiral auxiliaries for the diastereoselective reduction of $\hat{\text{I}}\pm$ -keto esters. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 2413-2429.	1.8	16
26	Iron catalyzed Michael addition: Chloroferrate ionic liquids as efficient catalysts under microwave conditions. <i>Science China Chemistry</i> , 2012, 55, 1614-1619.	4.2	15
27	Synthesis of 17 $\hat{\text{I}}^2$ -hydroxymethyl-17 $\hat{\text{I}}\pm$ -methyl-18-norandrosta-1,4,13-trien-3-one: A long-term metandienone metabolite. <i>Steroids</i> , 2016, 115, 75-79.	0.8	15
28	Coordinating chiral ionic liquids. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8092.	1.5	14
29	Synthesis and structural elucidation of a dehydrochloromethyltestosterone metabolite. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2508-2521.	1.5	13
30	Chiral linker. Part 2: Synthesis and evaluation of a novel, reusable solid-supported open chain chiral auxiliary derived from m-hydrobenzoin for the diastereoselective reduction of $\hat{\text{I}}\pm$ -keto esters. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 3211-3223.	1.8	12
31	[1,2]-Wittig rearrangement of acetals. Part 2: The influence of reaction conditions. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1003-1013.	1.8	10
32	Ionic Liquids – A Survey of Recent Developments and Applications. <i>Monatshefte für Chemie</i> , 2007, 138, V-VI.	0.9	10
33	Synthesis and identification of hydroxylated metabolites of the anti-estrogenic agent cyclofenil. <i>Journal of Mass Spectrometry</i> , 2008, 43, 958-964.	0.7	10
34	Novel pathway for the synthesis of arylpropionamide-derived selective androgen receptor modulator (SARM) metabolites of andarine and ostarine. <i>Tetrahedron Letters</i> , 2013, 54, 2239-2242.	0.7	10
35	Design and synthesis of basic ionic liquids for the esterification of triterpenic acids. <i>Monatshefte für Chemie</i> , 2017, 148, 139-148.	0.9	10
36	Stanozolol- $\text{N}^{\text{a}}$ -glucuronide metabolites in human urine samples as suitable targets in terms of routine anti-doping analysis. <i>Drug Testing and Analysis</i> , 2021, 13, 1668-1677.	1.6	10

#	ARTICLE	IF	CITATIONS
37	A facile and high yielding synthesis of 2,2,3,4,4-d <sup>5</sup> -androsterone-1 <sup>2</sup> -d-glucuronide as an internal standard in dope analysis. <i>Steroids</i> , 2003, 68, 85-96.	0.8	9
38	Synthesis of novel chiral hydrobenzoin mono-tert-butyl ethers derived from m-hydrobenzoin and their application as chiral auxiliaries in the diastereoselective reduction of $\pm$ -keto esters. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2631-2647.	1.8	9
39	Development and validation of a simple online SPE method coupled to high-resolution mass spectrometry for the analysis of stanozolol glucuronides in urine samples. <i>Drug Testing and Analysis</i> , 2020, 12, 1031-1040.	1.6	9
40	[1,2]-Wittig rearrangement of acetals. Part 1: Investigation about structural requirements. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4811-4830.	1.8	8
41	Microwave-Assisted Synthesis of Camphor-Derived Chiral Imidazolium Ionic Liquids and Their Application in Diastereoselective Diels-Alder Reaction. <i>Synthesis</i> , 2007, 2007, 1333-1338.	1.2	8
42	Chiral linker 5: scope and limitations of arylsubstituted m-hydrobenzoin as solid supported open chain chiral auxiliaries for diastereoselective syntheses. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 273-287.	1.8	8
43	Chiral lactols, XIII. On the determination of the absolute configuration of aromatic cyanohydrins and structurally related compounds. <i>Liebigs Annalen</i> , 1995, 1995, 1353-1360.	0.8	6
44	[1,2]-Wittig Rearrangement of Acetals III [1]. New 1,2-Alkoxyalcohols, 1,2-Alkoxyamines and 1,2-Dialkoxy Compounds as Chiral Ligands for Organomagnesium and Organolithium Compounds and for Lithium Aluminum Hydride. <i>Monatshefte für Chemie</i> , 2000, 131, 867-877.	0.9	6
45	Synthesis of human long-term metabolites of dehydrochloromethyltestosterone and oxymesterone. <i>Steroids</i> , 2020, 164, 108716.	0.8	6
46	Stereoselectivity in Pinacol-Homocoupling Mediated by Samarium Diiodide. <i>Monatshefte für Chemie</i> , 2003, 134, 1607-1615.	0.9	5
47	First synthesis of a pentadeuterated 3 $\beta$ -hydroxystanozolol as an internal standard in doping analysis. <i>Steroids</i> , 2005, 70, 103-110.	0.8	5
48	Chiral Lactols, XIV. Stereoselective Fusion of Five-Membered Ring Lactols to the Bornane Ring System. <i>Liebigs Annalen</i> , 1996, 1996, 1015-1021.	0.8	5
49	Synthesis of a putative advanced intermediate en route to elisabethin A. <i>Tetrahedron</i> , 2016, 72, 4536-4542.	1.0	5
50	Synthesis of a human long-term oxymetholone metabolite. <i>Steroids</i> , 2019, 150, 108430.	0.8	5
51	An Improved Method for the Endo-Fusion of Five-Membered Ring Lactones to the Bornane Ring System. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 2507-2511.	1.2	4
52	Application of meso-hydrobenzoin-derived chiral auxiliaries for the stereoselective synthesis of highly substituted pyrrolidines by 1,3-dipolar cycloaddition of azomethine ylides. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 641-646.	1.8	4
53	Design, synthesis, and application of novel chiral ONN ligands for asymmetric alkylation. <i>Monatshefte für Chemie</i> , 2013, 144, 447-453.	0.9	4
54	Synthesis of two epimeric long-term metabolites of oxandrolone. <i>Tetrahedron Letters</i> , 2017, 58, 1316-1318.	0.7	4

#	ARTICLE	IF	CITATIONS
55	Detection of DHCMT long-term metabolite glucuronides with LC-MSMS as an alternative approach to conventional GC-MSMS analysis. <i>Steroids</i> , 2022, 180, 108979.	0.8	4
56	Aminoalcohols V [1]: A Method for the Synthesis of Enantiomerically Pure Ring-Chlorinated Epinephrines and Norepinephrines. <i>Monatshefte für Chemie</i> , 1999, 130, 451-470.	0.9	3
57	Synthesis and analytics of 2,2,3,4,4-d5-19-nor-5 $\alpha$ -androsterone – An internal standard in doping analysis. <i>Steroids</i> , 2007, 72, 429-436.	0.8	3
58	Chiral Auxiliaries on Solid Support. , 0, , 329-363.		3
59	Acetals as Chiral Ligands for Organomagnesium and Organolithium Compounds. <i>Monatshefte für Chemie</i> , 1998, 129, 953-959.	0.9	2
60	Chiral resolution of alcohols by extractive separation of acetals. <i>Monatshefte für Chemie</i> , 2014, 145, 1631-1641.	0.9	2
61	Studies towards the enantioselective synthesis of an advanced intermediate of elisabethin A. <i>Monatshefte für Chemie</i> , 2017, 148, 49-56.	0.9	2
62	Implementation of a marker substance for monitoring in situ 17 $\alpha$ -keto modifications in endogenous steroids caused by microbiological contamination. <i>Drug Testing and Analysis</i> , 2022, , .	1.6	2
63	Synthesis of Partially Deuterated N -Nitrosamines ? New Standards in Tobacco-smoke Analysis. <i>Monatshefte für Chemie</i> , 2004, 135, 549-555.	0.9	1
64	Response to letter to the editor: <i>Comments on Unambiguous identification and characterization of a long-term human metabolite of dehydrochloromethyltestosterone</i>. <i>Drug Testing and Analysis</i> , 2019, 11, 185-185.	1.6	1
65	Synthesis and characterization of stanozolol N-glucuronide metabolites. <i>Monatshefte für Chemie</i> , 2019, 150, 843-848.	0.9	1
66	From Solvent to Sustainable Catalysis - Chloroferrate Ionic Liquids in Synthesis. <i>Current Organic Synthesis</i> , 2011, 8, 824-839.	0.7	0
67	Happy birthday Heinz Falk. <i>Monatshefte für Chemie</i> , 2019, 150, 757-758.	0.9	0