

Rene Wilhelm

List of Publications by Year in descending order

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74
papers

1,268
citations

304743

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414414

32
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docs citations

86
times ranked

1455
citing authors

#	ARTICLE	IF	CITATIONS
1	On the Influence of a Camphor-based 1,3-Diamine Fragment in a Proline-Based Organocatalyst. <i>ChemistrySelect</i> , 2022, 7, .	1.5	0
2	Reversible functionalization and exfoliation of graphite by a Diels-Alder reaction with furfuryl amine. <i>RSC Advances</i> , 2022, 12, 17249-17256.	3.6	0
3	On the influence of carbon nanoparticles as additives in the electrosynthesis of bromoarenes. <i>Carbon Trends</i> , 2021, 4, 100075.	3.0	2
4	Improvement of the froth flotation of LiAlO ₂ and melilite solid solution via pre-functionalization. <i>Scientific Reports</i> , 2021, 11, 20443.	3.3	6
5	A photoredox catalysed Heck reaction via hole transfer from a Ru(II)-bis(terpyridine) complex to graphene oxide. <i>RSC Advances</i> , 2020, 10, 42930-42937.	3.6	7
6	Tetraalkylammonium-based ionic liquids for a RuCl ₃ catalyzed C-H activated homocoupling. <i>Tetrahedron</i> , 2020, 76, 131314.	1.9	8
7	Photocatalytic properties of graphene-supported titania clusters from density-functional theory. <i>Journal of Computational Chemistry</i> , 2020, 41, 1921-1930.	3.3	10
8	Congratulations to Professor Wolfgang Bensch on the occasion of his 65 th birthday. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2019, 74, 1-3.	0.7	4
9	Straightforward Immobilization of Phosphonic Acids and Phosphoric Acid Esters on Mesoporous Silica and Their Application in an Asymmetric Aldol Reaction. <i>Nanomaterials</i> , 2019, 9, 249.	4.1	16
10	A Novel Lubricant Based on Covalent Functionalized Graphene Oxide Quantum Dots. <i>Scientific Reports</i> , 2018, 8, 5843.	3.3	34
11	A camphor based 1,3-diamine Ru(II) terpyridine complex: synthesis, characterization, kinetic investigation and DNA binding. <i>New Journal of Chemistry</i> , 2018, 42, 7607-7611.	2.8	10
12	New pyridinium based ionic dyes for the hydrogen evolution reaction. <i>Tetrahedron</i> , 2018, 74, 142-149.	1.9	21
13	Congratulations to Bernt Krebs. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2018, 73, 749-751.	0.7	0
14	Congratulations to Werner Uhl. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2018, 73, 873-874.	0.7	0
15	The role of iminium salts, imines and related compounds in chemistry. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2018, 73, 429-429.	0.7	1
16	Protic ionic liquids as catalysts for a three-component coupling/hydroarylation/dehydrogenation tandem reaction. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2018, 73, 515-519.	0.7	3
17	Graphene oxide as flexibilizer for epoxy amine resins. <i>Progress in Organic Coatings</i> , 2018, 122, 280-289.	3.9	26
18	Determination of the refractive indices of ionic liquids by ellipsometry, and their application as immersion liquids. <i>Applied Optics</i> , 2018, 57, 9215.	1.8	6

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19	Reactivity of Grubbs's Hoveyda II Complexes Including Extended N-Heterocyclic Carbenes with a Bicyclic Camphor-Based Framework. <i>Synthesis</i> , 2017, 49, 2852-2864.	2.3	13
20	A Sophisticated Approach towards a New Class of Copper(I)-Sulfur Cluster Complexes with Imidazolium-Dithiocarboxylate Ligands. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3191-3197.	2.0	14
21	Congratulations to Dietrich Gudat. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2017, 72, 763-763.	0.7	0
22	The use of stable carbene-CO ₂ adducts for the polymerization of trimethylene carbonate. <i>Journal of Polymer Science Part A</i> , 2017, 55, 820-829.	2.3	8
23	Influence of Ionic Liquids on an Iron(III) Catalyzed Three-Component Coupling/Hydroarylation/Dehydrogenation Tandem Reaction. <i>International Journal of Molecular Sciences</i> , 2016, 17, 860.	4.1	9
24	Straightforward Diastereoselective Synthesis of P-Chirogenic (1R)-1,8,8-Trimethyl-2,4-diaza-3-phosphabicyclo[3.2.1]octane 3-Oxides: Application as Chiral NMR Solvating Agents. <i>Heteroatom Chemistry</i> , 2016, 27, 121-134.	0.7	2
25	Synthesis and investigation of new cyclic haloamidinium salts. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016, 71, 667-676.	0.7	2
26	Crystal structures of diiodidobis[(1 <i>S</i> ,5 <i>S</i>)-4-mesityl-1,2,8,8-tetramethyl-2,4-diazabicyclo[3.2.1]octan-3-ylidene- λ^5 -C ³]palladium(II) and dichlorido[(1 <i>S</i> ,5 <i>S</i>)-4-mesityl-1,2,8,8-tetramethyl-2,4-diazabicyclo[3.2.1]octan-3-ylidene- λ^5 -C ³](triphenylphosphonium)borate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, 919-922.	0.5	2
27	First examples of carbene-catalyzed allylation of benzaldehyde with allyltrichlorosilane. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 1199-1205.	2.2	2
28	Synthesis of New Camphor-Based Carbene Ligands and Their Application in a Copper-Catalyzed Michael Addition with B2Pin2. <i>Synthesis</i> , 2015, 47, 789-800.	2.3	11
29	Chiral Imidazolium Salts with TIPS Groups for the Palladium-Catalyzed α -Arylation and as Chiral Solvating Agents. <i>Synlett</i> , 2015, 26, 1638-1641.	1.8	9
30	Synthesis of new copper(<i>scp</i>) based linear 1-D-coordination polymers with neutral imidazolium-dithiocarboxylate ligands. <i>RSC Advances</i> , 2015, 5, 9217-9220.	3.6	19
31	Crystal structure of tris(1,3-dimesityl-4,5-dihydro-1H-imidazol-3-ium) tetrabromidocobaltate(II) bromide chloroform hexasolvate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, m177-m178.	0.5	1
32	Crystal structure of dibromidobis(1,3-dibenzyl-1,3-diazinan-2-one- λ^5 O)cobalt(II). <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, m160-m161.	0.5	0
33	Investigation of Imidazol(in)ium-dithiocarboxylates as Sensors for the Detection of Mercury(II) and Silver(I) Ions. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2014, 69, 596-604.	0.7	11
34	Highly regioselective synthesis of chiral diamines via a Buchwald-Hartwig amination from camphoric acid and their application in the Henry reaction. <i>Applied Organometallic Chemistry</i> , 2014, 28, 552-558.	3.5	6
35	An Ionic Liquid Solution of Chitosan as Organocatalyst. <i>Catalysts</i> , 2013, 3, 914-921.	3.5	16
36	Chiral ionic liquids based on nicotine for the chiral recognition of carboxylic acids. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1127-1133.	1.8	40

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37	Ring Opening Polymerization of Organic Carbonates Using CO_2 -Carbene Adducts as Effective Organo Catalyst. <i>Macromolecular Symposia</i> , 2013, 334, 92-97.	0.7	4
38	Imidazolium and amidinium salts as Lewis acid organocatalysts. <i>Beilstein Journal of Organic Chemistry</i> , 2012, 8, 1798-1803.	2.2	21
39	Imidazolium sulfonate and sulfamate zwitterions as chiral solvating agents for enantiomeric excess calculations. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 1632-1639.	1.8	20
40	New Chiral Ionic Liquids Based on Enantiopure Sulfate and Sulfonate Anions for Chiral Recognition. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5817-5824.	2.4	33
41	Lewis Acid Organocatalysts. <i>Topics in Current Chemistry</i> , 2010, 291, 86-117.	4.0	18
42	Methylated Imidazolium-Dithiocarboxylates: Two Representatives of a New Class of Ionic Liquids. <i>Synthesis</i> , 2009, 2009, 583-586.	2.3	3
43	New chiral ionic liquids based on imidazolium salts. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2344-2350.	1.8	30
44	Lewis Acid Organocatalysts. <i>Topics in Current Chemistry</i> , 2009, , 349-393.	4.0	61
45	Enantiopure imidazolium-dithiocarboxylates as highly selective novel organocatalysts. <i>Chemical Communications</i> , 2009, , 1040-1042.	4.1	37
46	New enantiopure NHCs derived from camphor. <i>Chemical Communications</i> , 2009, , 5910.	4.1	31
47	Hindered Brønsted bases as Lewis base catalysts. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4009.	2.8	25
48	New enantiopure imidazolium carbene ligands incorporating two hydroxy groups for Lewis acid-catalyzed diethyl zinc addition to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2346-2352.	1.8	23
49	Influence of the Substitution Pattern of Cp-Iron-Arene Salts in the Solid-State Synthesis of New Carbon Nanostructures. <i>Organometallics</i> , 2008, 27, 3430-3434.	2.3	2
50	Recent Advances in the Synthesis and Application of Chiral Ionic Liquids. <i>Synthesis</i> , 2008, 2008, 999-1016.	2.3	18
51	Hexamethyldisilazane Sodium Salt as Highly Active Lewis Base Catalyst for the Staudinger Reaction. <i>Synlett</i> , 2007, 2007, 3032-3036.	1.8	6
52	An easy way to produce Fe -iron filled multiwalled carbon nanotubes. <i>Carbon</i> , 2007, 45, 602-606.	10.3	40
53	Unexpected behaviour of tosylated and acetylated imidazolium salts. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2285.	2.8	8
54	Solid-State Synthesis of Well-Defined Carbon Nanocapsules from Organometallic Precursors. <i>Small</i> , 2006, 2, 752-755.	10.0	25

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55	The preparation of new enantiopure imidazolium salts and their evaluation as catalysts and shift reagents. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 801-810.	1.8	39
56	Easily Accessible Chiral Imidazolium Salts Bearing Two Hydroxy-Containing Substituents as Shift Reagents and Carbene Precursors. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5103-5109.	2.4	35
57	Synthesis of Enantiopure Tricarbonyl(indan-1,2-dione)chromium. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 5224-5235.	2.4	8
58	Imidazolium Salts as Catalysts for the Aza-Diels-Alder Reaction.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
59	An imidazolium salt as ionic liquid for medium and strong bases. <i>Green Chemistry</i> , 2005, 7, 844.	9.0	51
60	Imidazolium salts as catalysts for the aza-Diels-Alder reaction. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 239-244.	2.8	40
61	Imidazolium-Carbodithioate Zwitterions as Organocatalysts for the Cyanosilylation of Aldehydes. <i>Synlett</i> , 2004, 2004, 2621-2623.	1.8	4
62	Preparation of amins in water. <i>Tetrahedron</i> , 2004, 60, 3205-3210.	1.9	38
63	Preparation of Amins in Water.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
64	Near-Quantitative Solid-State Synthesis of Carbon Nanotubes from Homogeneous Diphenylethynecobalt and -Nickel Complexes. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 4379-4383.	13.8	66
65	Palladium catalysed Suzuki reactions of fluoroarenes Electronic supplementary information (ESI) available: full experimental procedures and data. See http://www.rsc.org/suppdata/cc/b2/b212138g/ . <i>Chemical Communications</i> , 2003, , .	4.1	12
66	A computational study of the mechanism of palladium insertion into alkynyl and aryl carbon-fluorine bonds Electronic supplementary information (ESI) available: full coordinates for all geometries and normal mode animations. See http://www.rsc.org/suppdata/p2/b1/b108727b/ . <i>Perkin Transactions II RSC</i> , 2002, , 576-581.	1.1	47
67	The Tricarbonylchromium Complex of a Trimethyltin-Substituted N-(Triisopropylsilyl)indole - A Dynamic NMR Study of Multiple Independent Rotation Processes in the Solid State with an X-ray Diffraction Structure and Molecular Mechanics Calculations. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 133-140.	2.0	2
68	Dilithiation of arenetricarbonylchromium(0) complexes with enantioselective quench: application to chiral biaryl synthesis. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 3269-3280.	1.3	1
69	Asymmetric Synthesis of a Fully Protected ent-Actinoidinic Acid. <i>Organic Letters</i> , 2001, 3, 3079-3082.	4.6	17
70	Reversal of Asymmetric Induction in Arenetricarbonyl-chromium(0) Complexes via Dilithiation with the (-)-Sparteine/BuLi System and Enantioselective Quench. <i>Synlett</i> , 2001, 2001, 1632-1634.	1.8	13
71	Directed Lithiation in Arenetricarbonylchromium(0) Complexes: Assessment of Some Directing Group Specificities and of Electrophilic Quench Efficacies. <i>Tetrahedron</i> , 2000, 56, 6121-6134.	1.9	16
72	Asymmetric deprotonation-substitution of arenetricarbonylchromium(0) complexes: substituent controlled lithiation with the butyllithium-sparteine system. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 5003-5016.	1.8	21

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73	Palladium catalysed cross-coupling of (fluoroarene)tricarbonylchromium(0) complexes. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3808-3814.	1.3	46
74	Palladium catalysed cross-coupling of (fluoroarene)tricarbonylchromium(0) complexes. Chemical Communications, 1999, , 2211-2212.	4.1	62