Rene Wilhelm

List of Publications by Year
in descending order

74 papers	1,268 citations	304743 22 h-index	414414 32 g-index
86 all docs	86 docs citations	86 times ranked	1455 citing authors

#	Article	IF	Citations
1	Near-Quantitative Solid-State Synthesis of Carbon Nanotubes from Homogeneous Diphenylethynecobalt and -Nickel Complexes. Angewandte Chemie - International Edition, 2003, 42, 4379-4383.	13.8	66
2	Palladium catalysed cross-coupling of (fluoroarene)tricarbonylchromium(0) complexes. Chemical Communications, 1999, , 2211-2212.	4.1	62
3	Lewis Acid Organocatalysts. Topics in Current Chemistry, 2009, , 349-393.	4.0	61
4	An imidazolinium salt as ionic liquid for medium and strong bases. Green Chemistry, 2005, 7, 844.	9.0	51
5	A computational study of the mechanism of palladium insertion into alkynyl and aryl carbonâ€“fluorine bondsElectronic supplementary information (ESI) available: full coordinates for all geometries and normal mode animations. See http://www.rsc.org/suppdata/p2/b1/b108727b/. Perkin Transactions II RSC, 2002, , 576-581.	1.1	47
6	Palladium catalysed cross-coupling of (fluoroarene)tricarbonylchromium(0) complexes. Journal of the Chemical Society, Perkin Transactions 1, 2000, , 3808-3814.	1.3	46
7	Imidazolinium salts as catalysts for the aza-Dielsâ€“Alder reaction. Organic and Biomolecular Chemistry, 2005, 3, 239-244.	2.8	40
8	An easy way to produce Î±-iron filled multiwalled carbon nanotubes. Carbon, 2007, 45, 602-606.	10.3	40
9	Chiral ionic liquids based on nicotine for the chiral recognition of carboxylic acids. Tetrahedron: Asymmetry, 2013, 24, 1127-1133.	1.8	40
10	The preparation of new enantiopure imidazolinium salts and their evaluation as catalysts and shift reagents. Tetrahedron: Asymmetry, 2006, 17, 801-810.	1.8	39
11	Preparation of aminals in water. Tetrahedron, 2004, 60, 3205-3210.	1.9	38
12	Enantiopure imidazolinium-dithiocarboxylates as highly selective novel organocatalysts. Chemical Communications, 2009, , 1040-1042.	4.1	37
13	Easily Accessible Chiral Imidazolinium Salts Bearing Two Hydroxy-Containing Substituents as Shift Reagents and Carbene Precursors. European Journal of Organic Chemistry, 2006, 2006, 5103-5109.	2.4	35
14	A Novel Lubricant Based on Covalent Functionalized Graphene Oxide Quantum Dots. Scientific Reports, 2018, 8, 5843.	3.3	34
15	New Chiral Ionic Liquids Based on Enantiopure Sulfate and Sulfonate Anions for Chiral Recognition. European Journal of Organic Chemistry, 2010, 2010, 5817-5824.	2.4	33
16	New enantiopure NHCs derived from camphor. Chemical Communications, 2009, , 5910.	4.1	31
17	New chiral ionic liquids based on imidazolinium salts. Tetrahedron: Asymmetry, 2009, 20, 2344-2350.	1.8	30
18	Graphene oxide as flexibilizer for epoxy amine resins. Progress in Organic Coatings, 2018, 122, 280-289.	3.9	26

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19	Solid-State Synthesis of Well-Defined Carbon Nanocapsules from Organometallic Precursors. Small, 2006, 2, 752-755.	10.0	25
20	Hindered BrÃ¸nsted bases as Lewis base catalysts. Organic and Biomolecular Chemistry, 2009, 7, 4009.	2.8	25
21	New enantiopure imidazolinium carbene ligands incorporating two hydroxy groups for Lewis acid-catalyzed diethyl zinc addition to aldehydes. Tetrahedron: Asymmetry, 2008, 19, 2346-2352.	1.8	23
22	Asymmetric deprotonationâ€"substitution of arenetricarbonylchromium(0) complexes: substituent controlled lithiation with the butyllithiumâ€“sparteine system. Tetrahedron: Asymmetry, 2000, 11, 5003-5016.	1.8	21
23	Imidazolinium and amidinium salts as Lewis acid organocatalysts. Beilstein Journal of Organic Chemistry, 2012, 8, 1798-1803.	2.2	21
24	New pyridinium based ionic dyes for the hydrogen evolution reaction. Tetrahedron, 2018, 74, 142-149.	1.9	21
25	Imidazolinium sulfonate and sulfamate zwitterions as chiral solvating agents for enantiomeric excess calculations. Tetrahedron: Asymmetry, 2011, 22, 1632-1639.	1.8	20
26	Synthesis of new copper(<scp>i</scp>) based linear 1-D-coordination polymers with neutral imidazolinium-dithiocarboxylate ligands. RSC Advances, 2015, 5, 9217-9220.	3.6	19
27	Recent Advances in the Synthesis and Application of Chiral Ionic Liquids. Synthesis, 2008, 2008, 999-1016.	2.3	18
28	Lewis Acid Organocatalysts. Topics in Current Chemistry, 2010, 291, 86-117.	4.0	18
29	Asymmetric Synthesis of a Fully Protected ent-Actinoidinic Acid. Organic Letters, 2001, 3, 3079-3082.	4.6	17
30	Directed Lithiation in Arenetricarbonylchromium(0) Complexes: Assessment of Some Directing Group Specificities and of Electrophilic Quench Efficacies. Tetrahedron, 2000, 56, 6121-6134.	1.9	16
31	An Ionic Liquid Solution of Chitosan as Organocatalyst. Catalysts, 2013, 3, 914-921.	3.5	16
32	Straightforward Immobilization of Phosphonic Acids and Phosphoric Acid Esters on Mesoporous Silica and Their Application in an Asymmetric Aldol Reaction. Nanomaterials, 2019, 9, 249.	4.1	16
33	A Sophisticated Approach towards a New Class of Copper(I)â€“Sulfur Cluster Complexes with Imidazoliumâ€“Dithiocarboxylate Ligands. European Journal of Inorganic Chemistry, 2017, 2017, 3191-3197.	2.0	14
34	Reversal of Asymmetric Induction in Arenetricarbonyl-chromium(0) Complexes via Dilithiation with the (-)-Sparteine/BuLi System and Enantioselective Quench. Synlett, 2001, 2001, 1632-1634.	1.8	13
35	Reactivity of Grubbsâ€“Hoveyda II Complexes Including Extended N-Heterocyclic Carbenes with a Bicyclic Camphor-Based Framework. Synthesis, 2017, 49, 2852-2864.	2.3	13
36	Palladium catalysed Suzuki reactions of fluoroarenesElectronic supplementary information (ESI) available: full experimental procedures and data. See http://www.rsc.org/suppdata/cc/b2/b212138g/. Chemical Communications, 2003, , .	4.1	12

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37	Investigation of Imidazol(in)ium-dithiocarboxylates as Sensors for the Detection of Mercury(II) and Silver(I) Ions. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2014, 69, 596-604.	0.7	11
38	Synthesis of New Camphor-Based Carbene Ligands and Their Application in a Copper-Catalyzed Michael Addition with B2Pin2. Synthesis, 2015, 47, 789-800.	2.3	11
39	A camphor based 1,3-diamine Ru(<scp>ii</scp>) terpyridine complex: synthesis, characterization, kinetic investigation and DNA binding. New Journal of Chemistry, 2018, 42, 7607-7611.	2.8	10
40	Photocatalytic properties of grapheneâ€supported titania clusters from densityâ€functional theory. Journal of Computational Chemistry, 2020, 41, 1921-1930.	3.3	10
41	Chiral Imidazolinium Salts with TIPS Groups for the Palladium-Catalyzed Î±-Arylation and as Chiral Solvating Agents. Synlett, 2015, 26, 1638-1641.	1.8	9
42	Influence of Ionic Liquids on an Iron(III) Catalyzed Three-Component Coupling/Hydroarylation/Dehydrogenation Tandem Reaction. International Journal of Molecular Sciences, 2016, 17, 860.	4.1	9
43	Synthesis of Enantiopure Tricarbonyl(indan-1,2-dione)chromium. European Journal of Organic Chemistry, 2005, 2005, 5224-5235.	2.4	8
44	Unexpected behaviour of tosylated and acetylated imidazolinium salts. Organic and Biomolecular Chemistry, 2006, 4, 2285.	2.8	8
45	The use of stable carbeneâ€CO₂ adducts for the polymerization of trimethylene carbonate. Journal of Polymer Science Part A, 2017, 55, 820-829.	2.3	8
46	Tetraalkylammonium-based ionic liquids for a RuCl3 catalyzed Câ€“H activated homocoupling. Tetrahedron, 2020, 76, 131314.	1.9	8
47	A photoredox catalysed Heck reaction via hole transfer from a Ru(ii)-bis(terpyridine) complex to graphene oxide. RSC Advances, 2020, 10, 42930-42937.	3.6	7
48	Hexamethyldisilazane Sodium Salt as Highly Active Lewis Base Catalyst for the Staudinger Reaction. Synlett, 2007, 2007, 3032-3036.	1.8	6
49	Highly regioselective synthesis of chiral diamines via a Buchwaldâ€“Hartwig amination from camphoric acid and their application in the Henry reaction. Applied Organometallic Chemistry, 2014, 28, 552-558.	3.5	6
50	Determination of the refractive indices of ionic liquids by ellipsometry, and their application as immersion liquids. Applied Optics, 2018, 57, 9215.	1.8	6
51	Improvement of the froth flotation of LiAlO2 and melilite solid solution via pre-functionalization. Scientific Reports, 2021, 11, 20443.	3.3	6
52	Imidazolinium-Carbodithioate Zwitterions as Organocatalysts for the Cyanosilylation of Aldehydes. Synlett, 2004, 2004, 2621-2623.	1.8	4
53	Ring Opening Polymerization of Organic Carbonates Using <scp>CO</scp>₂ â€•Carbene Adducts as Effective Organo Catalyst. Macromolecular Symposia, 2013, 334, 92-97.	0.7	4
54	Congratulations to Professor Wolfgang Bensch on the occasion of his 65th birthday. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2019, 74, 1-3.	0.7	4

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55	Methylated Imidazolinium-Dithiocarboxylates: Two Representatives of a New Class of Ionic Liquids. Synthesis, 2009, 2009, 583-586.	2.3	3
56	Protic ionic liquids as catalysts for a three-component coupling/hydroarylation/dehydrogenation tandem reaction. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 515-519.	0.7	3
57	The Tricarbonylchromium Complex of a Trimethyltin-SubstitutedN-(Triisopropylsilyl)indole â˜† A Dynamic NMR Study of Multiple Independent Rotation Processes in the Solid State with an X-ray Diffraction Structure and Molecular Mechanics Calculations. European Journal of Inorganic Chemistry, 2002, 2002, 133-140.	2.0	2
58	Influence of the Substitution Pattern of Cp-Iron-Arene Salts in the Solid-State Synthesis of New Carbon Nanostructures. Organometallics, 2008, 27, 3430-3434.	2.3	2
59	Crystal structures of diiodidobis[(1S,5S)-4-mesityl-1,2,8,8-tetramethyl-2,4-diazabicyclo[3.2.1]octan-3-ylidene-Î¹C³]palladium and dichlorido[(1S,5S)-4-mesityl-1,2,8,8-tetramethyl-2,4-diazabicyclo[3.2.1]octan-3-ylidene-Î¹C³](triphenylphosphane-ÎºP)palladium. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, 919-922.	0.5	2
60	First examples of carbene-catalyzed allylation of benzaldehyde with allyltrichlorosilane. Journal of the Iranian Chemical Society, 2015, 12, 1199-1205.	2.2	2
61	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. Heteroatom Chemistry, 2016, 27, 121-134.	0.7	2
62	Synthesis and investigation of new cyclic haloamidinium salts. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 667-676.	0.7	2
63	On the influence of carbon nanoparticles as additives in the electrosynthesis of bromoarenes. Carbon Trends, 2021, 4, 100075.	3.0	2
64	Dilithiation of arenetricarbonylchromium(0) complexes with enantioselective quench: application to chiral biaryl synthesis. Journal of the Chemical Society, Perkin Transactions 1, 2001, , 3269-3280.	1.3	1
65	The role of iminium salts, imines and related compounds in chemistry. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 429-429.	0.7	1
66	Crystal structure of tris(1,3-dimesityl-4,5-dihydro-1H-imidazol-3-ium) tetrabromidocobaltate(II) bromide chloroform hexasolvate. Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, m177-m178.	0.5	1
67	Preparation of Aminals in Water.. ChemInform, 2004, 35, no.	0.0	0
68	Imidazolinium Salts as Catalysts for the Aza-Dielsâ€"Alder Reaction.. ChemInform, 2005, 36, no.	0.0	0
69	Congratulations to Dietrich Gudat. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2017, 72, 763-763.	0.7	0
70	Congratulations to Bernt Krebs. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 749-751.	0.7	0
71	Congratulations to Werner Uhl. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2018, 73, 873-874.	0.7	0
72	Crystal structure of dibromidobis(1,3-dibenzyl-1,3-diazinan-2-one-ÎºO)cobalt(II). Acta Crystallographica Section E: Crystallographic Communications, 2015, 71, m160-m161.	0.5	0

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73	On the Influence of a Camphorâ€based 1,3â€Diamine Fragment in a Prolineâ€Based Organocatalyst. ChemistrySelect, 2022, 7, .	1.5	0
74	Reversible functionalization and exfoliation of graphite by a Dielsâ€“Alder reaction with furfuryl amine. RSC Advances, 2022, 12, 17249-17256.	3.6	0