Nina C Kann

List of Publications by Year
in descending order

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66	2,164	279798 23	233421 45
papers	citations	h-index	g-index

81	81	81	2584
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ruthenium-Catalyzed Azide Alkyne Cycloaddition Reaction: Scope, Mechanism, and Applications. Chemical Reviews, 2016, 116, 14726-14768.	47.7	286
2	Transitionâ€Metalâ€Catalyzed Propargylic Substitution. Angewandte Chemie - International Edition, 2009, 48, 642-644.	13.8	213
3	Targeting Membrane-Bound Viral RNA Synthesis Reveals Potent Inhibition of Diverse Coronaviruses Including the Middle East Respiratory Syndrome Virus. PLoS Pathogens, 2014, 10, e1004166.	4.7	136
4	Sequential One-Pot Ruthenium-Catalyzed Azideâ^'Alkyne Cycloaddition from Primary Alkyl Halides and Sodium Azide. Journal of Organic Chemistry, 2011, 76, 2355-2359.	3.2	99
5	Asymmetric Pauson-Khand Cyclization: A Formal Total Synthesis of Natural Brefeldin A. Journal of Organic Chemistry, 1995, 60, 6670-6671.	3.2	74
6	An iron carbonyl approach to the influenza neuraminidase inhibitor oseltamivir. Chemical Communications, 2007, , 3183.	4.1	70
7	Recent Applications of Polymer Supported Organometallic Catalysts in Organic Synthesis. Molecules, 2010, 15, 6306-6331.	3.8	67
8	Modular Synthesis of ChiraClick Ligands:Â A Library of P-Chirogenic Phosphines. ACS Combinatorial Science, 2007, 9, 477-486.	3.3	63
9	New chiral amine ligands in the desymmetrization of prochiral phosphine boranes. Tetrahedron: Asymmetry, 2004, 15, 3531-3538.	1.8	59
10	Recent Advances in the Synthesis of P(III)-Chirogenic Compounds. Mini-Reviews in Organic Chemistry, 2004, 1, 233-247.	1.3	56
11	New functionalized Horner-Wadsworth-Emmons reagents: useful building blocks in the synthesis of polyunsaturated aldehydes. A short synthesis of (.+-.)-(E,E)-coriolic acid. Journal of Organic Chemistry, 1990, 55, 5312-5323.	3.2	55
12	Synthesis and Characterization of New Binuclear Co(0) Complexes with Diphosphinoamine Ligands. A Potential Approach for Asymmetric Pausonâ^'Khand Reactions. Journal of Organic Chemistry, 1999, 64, 3492-3497.	3.2	50
13	Asymmetric Horner-Wadsworth-Emmons reactions using meso dialdehydes as substrates. Journal of Organic Chemistry, 1993, 58, 3802-3804.	3.2	46
14	Desymmetrization of Prochiral Phosphanes Using Derivatives of (â^')-Cytisine. European Journal of Organic Chemistry, 2004, 2004, 1894-1896.	2.4	45
15	Modular Asymmetric Synthesis of P-Chirogenic Î²-Amino Phosphine Boranes. Journal of Organic Chemistry, 2008, 73, 4458-4463.	3.2	45
16	A Biocatalytic Route to P-Chirogenic Compounds by Lipase-Catalyzed Desymmetrization of a Prochiral Phosphineâ^'Borane. Organic Letters, 2005, 7, 4991-4994.	4.6	44
17	Applications of the Nicholas Reaction in the Synthesis of Natural Products. Current Organic Chemistry, 2012, 16, 322-334.	1.6	38
18	Two novel fusion inhibitors of human respiratory syncytial virus. Antiviral Research, 2010, 88, 317-324.	4.1	31

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19	Reagent Control of Geometric Selectivity and Enantiotopic Group Preference in Asymmetric Hornerâ”Wadsworthâ”Emmons Reactions withmeso-Dialdehydesâ€. Journal of Organic Chemistry, 1998, 63, 8284-8294.	3.2	27
20	Heterobimetallic gold-iridium, silver-iridium, and gold-ruthenium bis(.mu.-hydrido) complexes. X-ray crystal and molecular structures of [AuRu(H)2(dppm)2(PPh3)]PF6 and [Ir(H)2(bpy)(PPh3)2]PF6. Inorganic Chemistry, 1987, 26, 3506-3513.	4.0	26
21	Iron Carbonyl-Mediated Parallel Solution-Phase Synthesis of Cyclohexadienoic Acid Amides. ACS Combinatorial Science, 2004, 6, 783-788.	3.3	26
22	Kinetic Resolution of the Acrolein Dimer by Asymmetric Horner-Wadsworth-Emmons Reactions. Angewandte Chemie International Edition in English, 1994, 33, 556-558.	4.4	24
23	Synthesis of a major subunit of the iejimalides. Tetrahedron Letters, 1995, 36, 3115-3118.	1.4	23
24	A Simple, General Preparation of S-Alkyl and S-Aryl Ynethiol Ethers. Journal of Organic Chemistry, 1995, 60, 7690-7692.	3.2	23
25	Solid-Phase Synthesis of Substituted Alkynes Using the Nicholas Reaction. Journal of Organic Chemistry, 2002, 67, 9460-9463.	3.2	23
26	Highly enantioselective hydrogenation and transfer hydrogenation of cycloalkyl and heterocyclic ketones catalysed by an iridium complex of a tridentate phosphine-diamine ligand. Chemical Communications, 2013, 49, 10245.	4.1	23
27	Î‘€Peptides from RuAACâ€Derived 1,5â€Disubstituted Triazole Units. European Journal of Organic Chemistry, 2014, 2014, 2703-2713.	2.4	23
28	Solid Phase Organometallic Chemistry. , 2007, , 89-134.		22
29	Solid Phase Synthesis Using Organometallic Reagents. Current Organic Chemistry, 2005, 9, 733-763.	1.6	20
30	Exploring the role of phosphorus substituents on the enantioselectivity of Ru-catalysed ketone hydrogenation using tridentate phosphine-diamine ligands. Catalysis Science and Technology, 2011, 1, 1336.	4.1	20
31	Ruthenium-Catalyzed E-Selective Alkyne Semihydrogenation with Alcohols as Hydrogen Donors. Journal of Organic Chemistry, 2020, 85, 2966-2975.	3.2	20
32	Conformational properties of 1,4- and 1,5-substituted 1,2,3-triazole amino acids â€“ building units for peptidic foldamers. Organic and Biomolecular Chemistry, 2015, 13, 2776-2785.	2.8	19
33	Glycerol Upgrading via Hydrogen Borrowing: Direct Ruthenium-Catalyzed Amination of the Glycerol Derivative Solketal. ACS Sustainable Chemistry and Engineering, 2016, 4, 5730-5736.	6.7	18
34	Cobalt-mediated solid phase synthesis of 3-O-alkynylbenzyl galactosides and their evaluation as galectin inhibitors. Tetrahedron, 2006, 62, 8309-8317.	1.9	17
35	Cu(<scp>i</scp>) stabilizing crosslinked polyethyleneimine. Physical Chemistry Chemical Physics, 2015, 17, 18327-18336.	2.8	17
36	Turn-off mode fluorescent norbornadiene-based photoswitches. Physical Chemistry Chemical Physics, 2018, 20, 23195-23201.	2.8	17

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37	Synthesis of macrocyclic lactam/lactone derivatives having antimicrobial activity. Pure and Applied Chemistry, 1994, 66, 2063-2066.	1.9	16
38	Synthesis (in ent-form) of a novel jalcaguaianolide from Ferula arrigonii Bocchieri. Journal of the Chemical Society Perkin Transactions 1, 1994, , 1651.	0.9	15
39	Synthetic applications of cationic iron and cobalt carbonyl complexes. Dalton Transactions, 2009, , 5051.	3.3	15
40	Parallel and Modular Synthesis of P-Chirogenic P,O-Ligands. ACS Combinatorial Science, 2012, 14, 304-308.	3.8	14
41	Synthesis, characterization and computational evaluation of bicyclooctadienes towards molecular solar thermal energy storage. Chemical Science, 2022, 13, 834-841.	7.4	14
42	The Solid-Phase Nicholas Reaction:Â Scope and Limitations. ACS Combinatorial Science, 2005, 7, 449-457.	3.3	12
43	Intermolecular Pausonâ€“Khand reactions on a galactose scaffold. Tetrahedron Letters, 2008, 49, 2820-2823.	1.4	11
44	One-pot synthesis of TBTA-functionalized coordinating polymers. Reactive and Functional Polymers, 2014, 82, 1-8.	4.1	11
45	Chiral 1,5-disubstituted 1,2,3-triazoles â€“ versatile tools for foldamers and peptidomimetic applications. Organic and Biomolecular Chemistry, 2020, 18, 1957-1967.	2.8	11
46	Bridging Ligand Length Controls AT Selectivity and Enantioselectivity of Binuclear Ruthenium Threading Intercalators. Chemistry - A European Journal, 2013, 19, 6246-6256.	3.3	10
47	Copper-coordinating polymers for marine anti-fouling coatings: A physicochemical and electrochemical study of ternary system of copper, PMMA and poly(TBTA). Progress in Organic Coatings, 2016, 97, 216-221.	3.9	9
48	Solid phase synthesis of diamides as potential bone resorption inhibitors. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 503-507.	2.2	8
49	Carbonâ^'Carbon and Carbonâ^'Heteroatom Bond Formation on Solid Phase Using Cationic Iron Carbonyl Complexes. Organic Letters, 2005, 7, 3565-3567.	4.6	8
50	Azulene Functionalization by Iron-Mediated Addition to a Cyclohexadiene Scaffold. Journal of Organic Chemistry, 2020, 85, 13453-13465.	3.2	8
51	Solid supported active esters as linkers: modification of reactivity using iron carbonyl complexes. Tetrahedron Letters, 2006, 47, 635-638.	1.4	7
52	Release of Terminal Alkynes via Tandem Photodeprotection and Decarboxylation of o-Nitrobenzyl Arylpropiolates in a Flow Microchannel Reactor. Bioconjugate Chemistry, 2018, 29, 1178-1185.	3.6	5
53	Solid-Phase Synthesis of a 6-Phenylquinolin-2(1H)-one Library Directed toward Nuclear Hormone Receptors. ACS Combinatorial Science, 2005, 7, 567-573.	3.3	4
54	Carbohydrate functionalization using cationic iron carbonyl complexes. Carbohydrate Research, 2008, 343, 1808-1813.	2.3	4

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55	Rapid microwave-assisted preparation of amino-functionalized polymers. Tetrahedron Letters, 2008, 49, 6108-6110.	1.4	4
56	Selective Iron-Mediated C- and O-Addition of Phenolic Nucleophiles to a Cyclohexadiene Scaffold Using Renewable Precursors. ACS Sustainable Chemistry and Engineering, 2019, 7, 7155-7162.	6.7	4
57	Palladium Catalyzed Stereoselective Arylation of Biocatalytically Derived Cyclic 1,3-Dienes: Chirality Transfer via a Heck-Type Mechanism. Organic Letters, 2020, 22, 2464-2469.	4.6	4
58	P-Chirogenic Î±-Carboxyphosphine Boranes as Effective Pre-Ligands in Palladium-Catalyzed Asymmetric Reactions. Synlett, 2006, 2006, 3389-3394.	1.8	3
59	Tricarbonyliron(0) complexes of bio-derived Î·4 cyclohexadiene ligands: An approach to analogues of oseltamivir. Journal of Organometallic Chemistry, 2015, 799-800, 19-29.	1.8	3
60	The Development of an Asymmetric Nicholas Reaction Using Chiral Phosphoramidite Ligands. Synlett, 2008, 2008, 394-398.	1.8	2
61	Conformational chiral polymorphism in cis-bis-triphenylphosphine complexes of transition metals. CrystEngComm, 2018, 20, 5137-5142.	2.6	2
62	Palladium-catalyzed stereoselective domino arylationâ€“acylation: an entry to chiral tetrahydrofluorenone scaffolds. Chemical Communications, 2021, 57, 6518-6521.	4.1	2
63	(2R,4S,5R)-3,4-Dimethyl-5-phenyl-2-[4-(trifluoromethyl)phenyl]-1,3,2-oxazaphospholidine(Pâ€”B)borane. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, o287-o288.	0.2	1
64	New Chiral Amine Ligands in the Desymmetrization of Prochiral Phosphine Boranes.. ChemInform, 2005, 36, no.	0.0	0
65	Nucleophilic, Electrophilic and Radical Reactions. , 0, , 121-139.		0
66	Covalent functionalization of carbon nanotube forests grown in situ on a metal-silicon chip. Proceedings of SPIE, 2012, , .	0.8	0