Denis A Chusov

List of Publications by Year
in descending order

61	1,737	304743 22	302126 39
papers	citations	h-index	g-index

70	70	70	1308
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reductive Amination in the Synthesis of Pharmaceuticals. Chemical Reviews, 2019, 119, 11857-11911.	47.7	423
2	A Planarâ€Chiral Rhodium(III) Catalyst with a Sterically Demanding Cyclopentadienyl Ligand and Its Application in the Enantioselective Synthesis of Dihydroisoquinolones. Angewandte Chemie - International Edition, 2018, 57, 7714-7718.	13.8	174
3	Reductive Amination without an External Hydrogen Source. Angewandte Chemie - International Edition, 2014, 53, 5199-5201.	13.8	102
4	A Planarâ€Chiral Rhodium(III) Catalyst with a Sterically Demanding Cyclopentadienyl Ligand and Its Application in the Enantioselective Synthesis of Dihydroisoquinolones. Angewandte Chemie, 2018, 130, 7840-7844.	2.0	70
5	Hitchhikerâ€™s Guide to Reductive Amination. Synthesis, 2019, 51, 2667-2677.	2.3	64
6	Ruthenium-Catalyzed Reductive Amination without an External Hydrogen Source. Organic Letters, 2015, 17, 173-175.	4.6	54
7	Cyclobutadiene Metal Complexes: A New Class of Highly Selective Catalysts. An Application to Direct Reductive Amination. ACS Catalysis, 2016, 6, 2043-2046.	11.2	49
8	Borrowing Hydrogen Amination Reactions: A Complex Analysis of Trends and Correlations of the Various Reaction Parameters. ACS Catalysis, 2022, 12, 7142-7198.	11.2	42
9	Carbon monoxide as a selective reducing agent in organic chemistry. Mendeleev Communications, 2018, 28, 113-122.	1.6	33
10	Asymmetric mesoâ€Epoxide Ringâ€Opening with Trimethylsilyl Cyanide Promoted by Chiral Binuclear Complexes of Titanium. Dichotomy of Cï£¿C versus Cï£¿N Bond Formation. Advanced Synthesis and Catalysis, 2009, 351, 3157-3167.	4.3	30
11	Chiral Ti(IV) complexes of hexadentate Schiff bases as precatalysts for the asymmetric addition of TMSCN to aldehydes and the ring opening of cyclohexene oxide. Tetrahedron: Asymmetry, 2006, 17, 2328-2333.	1.8	29
12	Aza-Dielsâ€“Alder reaction catalyzed by novel chiral metalocomplex BrÃ¸nsted acids. Tetrahedron: Asymmetry, 2013, 24, 178-183.	1.8	29
13	Reduction of phosphine oxides to phosphines. Tetrahedron Letters, 2019, 60, 575-582.	1.4	28
14	Cyclobutadiene Arene Complexes of Rhodium and Iridium. Organometallics, 2016, 35, 3025-3031.	2.3	26
15	Synthesis of Rhodium Complexes with Chiral Diene Ligands via Diastereoselective Coordination and Their Application in the Asymmetric Insertion of Diazo Compounds into Eâ^'H Bonds. Angewandte Chemie - International Edition, 2021, 60, 18712-18720.	13.8	25
16	Atom- and Step-Economical Preparation of Reduced Knoevenagel Adducts Using CO as a Deoxygenative Agent. Organic Letters, 2014, 16, 5068-5071.	4.6	24
17	The synthesis of sterically hindered amines by a direct reductive amination of ketones. Chemical Communications, 2016, 52, 1397-1400.	4.1	24
18	Indenyl rhodium complexes. Synthesis and catalytic activity in reductive amination using carbon monoxide as a reducing agent. Journal of Organometallic Chemistry, 2018, 867, 106-112.	1.8	24

#	Article	IF	Citations
19	Indenyl Rhodium Complexes with Arene Ligands: Synthesis and Application for Reductive Amination. Organometallics, 2018, 37, 2553-2562.	2.3	24
20	Redox Condensations of o-Nitrobenzaldehydes with Amines under Mild Conditions: Total Synthesis of the Vasicinone Family. Journal of Organic Chemistry, 2020, 85, 9347-9360.	3.2	24
21	Iridium Halide Complexes [1,1-X2 -8-SMe2 -1,2,8-IrC2 B9 H10]2 (X = Cl, Br, I): Synthesis, Reactivity and Catalytic Activity. European Journal of Inorganic Chemistry, 2017, 2017, 4635-4644.	2.0	23
22	Chiral Ti(IV) complexes of hexadentate Schiff bases as precatalysts for aldehyde allylation: unusual additive effect of trimethylsilyl chloride. Tetrahedron: Asymmetry, 2008, 19, 459-466.	1.8	22
23	Dichotomy of Reductive Addition of Amines to Cyclopropyl Ketones vs Pyrrolidine Synthesis. Organic Letters, 2016, 18, 5968-5970.	4.6	22
24	A Dual Threat: Redoxâ€Activity and Electronic Structures of Wellâ€Ðefined Donorâ€“Acceptor Fulleretic Covalentâ€Organic Materials. Angewandte Chemie - International Edition, 2020, 59, 6000-6006.	13.8	20
25	Reductive Transformations of Carbonyl Compounds Catalyzed by Rhodium Supported on a Carbon Matrix by using Carbon Monoxide as a Deoxygenative Agent. ChemCatChem, 2015, 7, 2590-2593.	3.7	19
26	Reductive amination catalyzed by iridium complexes using carbon monoxide as a reducing agent. Organic and Biomolecular Chemistry, 2017, 15, 6384-6387.	2.8	19
27	Symmetrical Tertiary Amines: Applications and Synthetic Approaches. European Journal of Organic Chemistry, 2021, 2021, 543-586.	2.4	18
28	Hydrogen-free reductive amination using iron pentacarbonyl as a reducing agent. Organic and Biomolecular Chemistry, 2017, 15, 10164-10166.	2.8	17
29	Dichotomy of Atom-Economical Hydrogen-Free Reductive Amidation vs Exhaustive Reductive Amination. Organic Letters, 2017, 19, 5657-5660.	4.6	16
30	Easy Access to Versatile Catalytic Systems for Câ^'H Activation and Reductive Amination Based on Tetrahydrofluorenyl Rhodium(III) Complexes. Chemistry - A European Journal, 2021, 27, 10903-10912.	3.3	16
31	Fluorene Complexes of Group 9 Metals: Fluorene Effect and Application for Reductive Amination. Organometallics, 2019, 38, 3151-3158.	2.3	14
32	Straightforward Access to High-Performance Organometallic Catalysts by Fluoride Activation: Proof of Principle on Asymmetric Cyanation, Asymmetric Michael Addition, CO₂ Addition to Epoxide, and Reductive Alkylation of Amines by Tetrahydrofuran. ACS Catalysis, 2021, 11, 13077-13084.	11.2	13
33	Synthesis of the cyclopentadienone rhodium complexes and investigation of their catalytic activity in the reductive aminationÂofÂaldehydes in the presence of carbon monoxide. Journal of Organometallic Chemistry, 2017, 835, 6-11.	1.8	12
34	Synthesis of chiral polydentate ligands and the use of their titanium complexes as pre-catalysts for the asymmetric trimethylsilylcyanation of benzaldehyde. Russian Chemical Bulletin, 2008, 57, 1981-1988.	1.5	11
35	Asymmetric ring opening of epoxides with cyanides catalysed by chiral binuclear titanium complexes. Tetrahedron: Asymmetry, 2014, 25, 838-843.	1.8	11
36	Atom- and Step-Economical Ruthenium-Catalyzed Synthesis of Esters from Aldehydes or Ketones and Carboxylic Acids. Organic Letters, 2018, 20, 7856-7859.	4.6	11

#	Article	IF	Citations
37	Some Aspects of Reductive Amination in the Presence of Carbon Monoxide: Cyclopropyl Ketones as Bifunctional Electrophiles. Synthesis, 2017, 49, 2640-2651.	2.3	10
38	Rutheniumâ€Catalyzed Reductive Amidation without an External Hydrogen Source. European Journal of Organic Chemistry, 2018, 2018, 557-563.	2.4	10
39	Aldehydes as Alkylating Agents for Ketones. Chemistry - A European Journal, 2019, 25, 16225-16229.	3.3	9
40	Anthraceneâ€“rhodium complexes with metal coordination at the central ring â€“ a new class of catalysts for reductive amination. Organic and Biomolecular Chemistry, 2019, 17, 83-87.	2.8	9
41	Reductive Amidation without an External Hydrogen Source Using Rhodium on Carbon Matrix as a Catalyst. ChemCatChem, 2020, 12, 112-117.	3.7	9
42	Tris(pyrazolyl)borate rhodium complexes. Application for reductive amination and esterification of aldehydes in the presence of carbon monoxide. Journal of Organometallic Chemistry, 2020, 925, 121468.	1.8	8
43	Osmium catalysis in the reductive amination using carbon monoxide as a reducing agent. Molecular Catalysis, 2020, 498, 111260.	2.0	8
44	Carbon monoxide-driven osmium catalyzed reductive amination harvesting WGSR power. Catalysis Science and Technology, 2021, 11, 4922-4930.	4.1	8
45	Enhancing the efficiency of the ruthenium catalysts in the reductive amination without an external hydrogen source. Journal of Catalysis, 2022, 405, 404-409.	6.2	8
46	Syngas Instead of Hydrogen Gas as a Reducing Agentâ”€A Strategy To Improve the Selectivity and Efficiency of Organometallic Catalysts. ACS Catalysis, 2022, 12, 5145-5154.	11.2	8
47	Alkyl formates as reagents for reductive amination of carbonyl compounds. Mendeleev Communications, 2020, 30, 112-113.	1.6	7
48	Synthesis of N,Nâ€²-Dialkylated Cyclohexane-1,2-diamines and Their Application as Asymmetric Ligands and Organocatalysts for the Synthesis of Alcohols. Synlett, 2017, 28, 615-619.	1.8	6
49	Variability of Rhodium(III)-Catalyzed Reactions of Aromatic Oximes with Alkenes. Synlett, 2020, 31, 1117-1120.	1.8	6
50	Reductive Aldolâ€type Reactions in the Synthesis of Pharmaceuticals. Chemistry - A European Journal, 2021, 27, 15327-15360.	3.3	6
51	Synthesis of Nitriles from Aldehydes with Elongation of the Molecule with Two Carbon Atoms. European Journal of Organic Chemistry, 2019, 2019, 32-35.	2.4	5
52	Direct Reductive Amination of Camphor Using Iron Pentacarbonyl as Stoichiometric Reducing Agent: Features and Limitations. European Journal of Organic Chemistry, 2020, 2020, 6289-6294.	2.4	5
53	Synthesis of Rhodium Complexes with Chiral Diene Ligands via Diastereoselective Coordination and Their Application in the Asymmetric Insertion of Diazo Compounds into Eâ‹H Bonds. Angewandte Chemie, 2021, 133, 18860-18868.	2.0	5
54	Oneâ€Pot Synthesis of Symmetrical Tertiary and Secondary Amines from Carbonyl Compounds, Ammonium Carbonate and Carbon Monoxide as a Reductant. European Journal of Organic Chemistry, 2019, 2019, 6557-6560.	2.4	4

#	Article	IF	Citations
55	Phosphine ligands in the ruthenium-catalyzed reductive amination without an external hydrogen source. Journal of Organometallic Chemistry, 2021, 941, 121806.	1.8	4
56	Formal reductive addition of acetonitrile to aldehydes and ketones. Organic and Biomolecular Chemistry, 2018, 16, 7693-7701.	2.8	3
57	Hayashi ligand-based rhodium complex in carbon monoxide and molecular hydrogen-assisted reductive amination. Mendeleev Communications, 2021, 31, 781-783.	1.6	3
58	Rhodiumâ€Catalyzed Reductive Esterification Using Carbon Monoxide as a Reducing Agent. European Journal of Organic Chemistry, 2020, 2020, 4116-4121.	2.4	2
59	Asymmetric cyclopropanation of electron-rich alkenes by the racemic diene rhodium catalyst: the chiral poisoning approach. Chemical Communications, 2022, 58, 6709-6712.	4.1	2
60	RÃ¼cktitelbild: A Planarâ€Chiral Rhodium(III) Catalyst with a Sterically Demanding Cyclopentadienyl Ligand and Its Application in the Enantioselective Synthesis of Dihydroisoquinolones (Angew. Chem.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2	1
61	Frontispiece: Reductive Aldolâ€type Reactions in the Synthesis of Pharmaceuticals. Chemistry - A European Journal, 2021, 27, .	3.3	0