

CITATION REPORT

List of articles citing

Ruthenium-Catalyzed Reactions for Organic Synthesis

DOI: 10.1021/cr9403695

Chemical Reviews, 1998, 98, 2599-2660.

Source: <https://exaly.com/paper-pdf/29288831/citation-report.pdf>

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
891	A practical synthetic method for dodecacarbonyltriruthenium, Ru ₃ (CO) ₁₂ , using ruthenium dioxide hydrate. <i>Journal of Organometallic Chemistry</i> , 1999 , 584, 197-199	2.3	4
890	A new Ru catalyst for alkene-alkyne coupling. <i>Tetrahedron Letters</i> , 1999 , 40, 7739-7743	2	78
889	Effective transfer hydrogenation of unsaturated compounds by ruthenium dihydride complex in propan-2-ol. 1999 , 148, 69-75		33
888	Practical and catalytic synthesis of 1,5-anhydrohex-1-en-3-uloses. 1999 , 55, 8331-8340		22
887	Ruthenium and osmium vinylidene complexes and some related compounds. 1999 , 193-195, 977-1025		177
886	Effects of Halides and Related Ligands on Reactions of Carbonylruthenium Complexes (RuO ₂ Cl ₂). 1999 , 1999, 917-930		32
885	Synthesis of N,N'-Disubstituted (1R,2R)-1,2-Diaminocyclohex-4-enes by a Ruthenium-Catalyzed Ring-Closing Metathesis Reaction. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 1523-1526	3.2	16
884	Bergangsmetall-katalysierte Kupplungsreaktionen unter C-H-Aktivierung. <i>Angewandte Chemie</i> , 1999 , 111, 1808-1822	3.6	293
883	Neuartige und effiziente Isomerisierung von Allylalkoholen, vermittelt durch einen Tetrapropylammoniumperruthenat-Katalysator. <i>Angewandte Chemie</i> , 1999 , 111, 2126-2128	3.6	15
882	Neuartige polymere Carbonylhalogenoruthenium(I)-Polyanionen: rationales Design und Selbstreorganisation in Gegenwart von CO ₂ und H ₂ O. <i>Angewandte Chemie</i> , 1999 , 111, 3919-3922	3.6	4
881	Transition Metal Catalyzed Coupling Reactions under C-H Activation. <i>Angewandte Chemie - International Edition</i> , 1999 , 38, 1698-1712	16.4	948
880	Ruthenium-Catalyzed Cycloisomerization/Oxidation of Homopropargyl Alcohols. A New Access to γ -Butyrolactones. 1999 , 121, 11680-11683		114
879	A Ruthenium-Catalyzed Three-Component Coupling to Form E-Vinyl Chlorides. 1999 , 121, 1988-1989		35
878	Half-Sandwich Ruthenium(II) Complexes as Catalysts for Stereoselective Carbene-Carbene Coupling Reactions. <i>Organometallics</i> , 1999 , 18, 5091-5096	3.8	59
877	RuH ₂ (PPh ₃) ₄ : An Active Catalyst for Living Radical Polymerization of Methyl Methacrylate at or above Room Temperature ¹ . 1999 , 32, 6461-6465		46
876	Ruthenium-Catalyzed Regioselective Codimerization of Enol Acylates with 2-Substituted-1,3-butadienes. <i>Organic Letters</i> , 1999 , 1, 1635-1637	6.2	22
875	Stable Organopalladium(II) and Organoruthenium(II) Complexes with Spin-Labeled Phosphine Ligands. <i>Organometallics</i> , 1999 , 18, 5097-5102	3.8	25

874	Binding of Alkenes to ReS ₄ . 1999 , 121, 5017-5022		37
873	Selective rhenium-catalyzed oxidation of secondary alcohols with methyl sulfoxide in the presence of ethylene glycol, a convenient one-pot synthesis of ketals. <i>Organic Letters</i> , 1999 , 1, 769-71	6.2	22
872	Addition of Olefins to Aromatic Ketones Catalyzed by Rh(I) Olefin Complexes. 1999 , 121, 6616-6623		186
871	Ruthenium-Catalyzed Cyclopropanation of Norbornene with Propargyl Alcohol. 1999 , 72, 2475-2482		26
870	Ethylene Polymerization Catalyzed by Ruthenium and Iron Complexes Containing 2,6-Bis(2-oxazolin-2-yl)pyridine (Pybox) Ligand-Cocatalyst System. 2000 , 73, 599-605		39
869	Microwave-Assisted Rapid Incorporation of Ruthenium into Lacunary Keggin-Type Polyoxotungstates: One-Step Synthesis, ⁹⁹ Ru, ¹⁸³ W NMR Characterization and Catalytic Activity of [PW ₁₁ O ₃₉ Ru](DMSO)] ⁵⁻ 2000 , 2000, 17-20		70
868	Olefin polymerization and copolymerization with soluble transition-metal complex catalysts. 2000 , 38, 4613-4626		23
867	Efficient Ruthenium-Catalysed Synthesis of 3-Hydroxy-1-propen-1-yl Benzoates: En Route to an Improved Isomerization of 2-Propyn-1-ols into α -Unsaturated Aldehydes. <i>European Journal of Organic Chemistry</i> , 2000 , 2000, 2361-2366	3.2	32
866	Ruthenium-Catalyzed synthesis of quinolines from anilines and N-allylic compounds by cascade amine exchange reaction-heteroannulation. 2000 , 37, 1315-1320		12
865	The chemistry of the carbon-transition metal double and triple bond: annual survey covering the year 1998. 2000 , 209, 387-451		19
864	Amide catalysts with tetradentate ligands and the asymmetric transfer hydrogenation of carbonyl compounds. <i>Tetrahedron Letters</i> , 2000 , 41, 8999-9003	2	18
863	New developments in catalytic alcohol oxidations for fine chemicals synthesis. 2000 , 57, 157-166		527
862	Ru/ZrO ₂ Catalysts. 2000 , 192, 149-157		33
861	Simultaneous Dehalogenation of Polychloroarenes and Chlorination of HSiEt ₃ Catalyzed by Complexes of the Groups 8 and 9. 2000 , 195, 187-192		25
860	A Synthesis of 2,6-Bis(4R-hydroxymethyloxazolyl)pyridine as a Water Soluble Ligand. 2000 , 52, 939		27
859	Enantioselective hydrogenation of α -keto esters catalyzed by chiral binaphthylbisphosphine ruthenium complexes. 2000 , 49, 728-731		6
858	Ruthenium-Catalysed Addition of Carboxylic Acids onto 1-Ethoxy-2-ethynylcyclopropane to Yield Functional Allenes with Skeletal Rearrangement. 2000 , 2000, 1315-1317		
857	Ruthenium-catalyzed oxidation of alkanes with tert-butyl hydroperoxide and peracetic acid. <i>Journal of Organic Chemistry</i> , 2000 , 65, 9186-93	4.2	112

- 856 Stereoselective preparation of ceramide and its skeleton backbone modified analogues via cyclic thioncarbonate intermediates derived by catalytic asymmetric dihydroxylation of alpha,beta-unsaturated ester precursors. *Journal of Organic Chemistry*, **2000**, 65, 7627-33 4.2 44
- 855 Synthesis and Characterization of [(η⁶-arene)Ru(R₃P)Cl₂] Complexes. **2000**, 30, 379-407 20
- 854 Synthesis and Characterization of [(η⁶-Arene)Ru(R₃P)(CH₃Cn)Cl]PF₆ Complexes. **2000**, 30, 409-431 8
- 853 Efficient Synthesis of Ruthenium(II) η⁶-Dienyl Compounds Starting from Di-η²-chlorodichloro-bis[(1E,6E)-2,7-dimethyloctadienediyl]diruthenium(IV). Versatile Precursors for Enantioselective Hydrogenation Catalysts. *Organometallics*, **2000**, 19, 5471-5476 3.8 34
- 852 Low-valent ruthenium and iridium hydride complexes as alternatives to Lewis acid and base catalysts. **2000**, 33, 225-33 179
- 851 Mechanism and molecular-electronic structure correlations in a novel series of osmium(V) hydrazido complexes. *Inorganic Chemistry*, **2000**, 39, 3075-85 5.1 40
- 850 A Ruthenium-Catalyzed Hydrative Cyclization and [4 + 2] Cycloaddition of Yne-enones. **2000**, 122, 5877-5878 68
- 849 Ru(II)-Catalyzed Cycloadditions of 1,6-Heptadiynes with Alkenes: New Synthetic Potential of Ruthenacyclopentatrienes as Biscarbenoids in Tandem Cyclopropanation of Bicycloalkenes and Heteroatom-Assisted Cyclocotrimerization of 1,6-Heptadiynes with Heterocyclic Alkenes. **2000**, 19, 5113-5118 103
- 848 A stereocontrolled, efficient synthetic route to bioactive sphingolipids: synthesis of phytosphingosine and phytoceramides from unsaturated ester precursors via cyclic sulfate intermediates. *Journal of Organic Chemistry*, **2000**, 65, 7618-26 4.2 80
- 847 The Dihydride-Osmium(IV) Complex [OsH₂(η²-O₂CCH₃)(H₂O)(PiPr₃)₂]BF₄ as a Precursor for Carbon-Carbon Coupling Reactions. *Organometallics*, **2000**, 19, 5098-5106 3.8 61
- 846 Reaction of Ru(η⁶-cyclooctatriene)(η²-dimethyl fumarate)₂ with Monodentate and Bidentate Phosphines: A Model Reaction of Catalytic Dimerization of Alkenes. *Organometallics*, **2000**, 19, 5733-5743 3.8 27
- 845 New approach to Ru(II) pincer ligand chemistry. Bis(tert-butylaminomethyl)pyridine coordinated to ruthenium(II). *Inorganic Chemistry*, **2000**, 39, 1593-7 5.1 20
- 844 Transcyclometalation: A Novel Route to (Chiral) Bis-Ortho-Chelated Bisphosphinoaryl Ruthenium(II) Complexes. *Organometallics*, **2000**, 19, 4468-4476 3.8 55
- 843 An efficient, general asymmetric synthesis of carbocyclic nucleosides: application of an asymmetric aldol/ring-closing metathesis strategy. *Journal of Organic Chemistry*, **2000**, 65, 8499-509 4.2 85
- 842 Ruthenium-Catalyzed Intramolecular [5 + 2] Cycloadditions. **2000**, 122, 2379-2380 209
- 841 Efficient oxidation of alcohols to carbonyl compounds with molecular oxygen catalyzed by N-hydroxyphthalimide combined with a Co species. *Journal of Organic Chemistry*, **2000**, 65, 6502-7 4.2 183
- 840 Synthesis and Reactivity of Indenyl Ruthenium(II) Complexes Containing the Labile Ligand 1,5-Cyclooctadiene (COD): Catalytic Activity of [Ru(η⁶-C₉H₇)Cl(COD)]. *Organometallics*, **2001**, 20, 3762-3771 3.8 58
- 839 Studies on transition-metal nitrido and oxo complexes. Part 20. Oxoruthenates and oxo-osmates in oxidation catalysis; cis-[Os(OH)O₄]²⁻ as a catalytic oxidant for primary amines and for alcohols. **2001**, 79, 598-606 21

838	The Literature of Heterocyclic Chemistry, Part VII: 1997-1999. 2001 , 79, 199-318		16
837	Non-metathesis ruthenium-catalyzed C-C bond formation. <i>Chemical Reviews</i> , 2001 , 101, 2067-96	68.1	699
836	Synthesis and characterization of alkanethiolate-coordinated iron porphyrins and their dioxygen adducts as models for the active center of cytochrome p450: direct evidence for hydrogen bonding to bound dioxygen. 2001 , 123, 1133-42		62
835	Catalytic and highly efficient 1,4-addition of terminal alkynes to conjugated enones by [RuCl(2)(p-cymene)] ₂ /pyrrolidine. <i>Organic Letters</i> , 2001 , 3, 2089-91	6.2	60
834	Formation of Cationic Half-Sandwich Osmium-Vinylidene Complexes from [Os(η-C ₅ H ₅)(P _i Pr ₃) ₂] ⁺ and Terminal Alkynes. <i>Organometallics</i> , 2001 , 20, 4291-4294	3.8	38
833	Synthesis and Properties of Planar-Chiral (η ⁶ -Benzene)(η ⁵ -cyclopentadienyl)ruthenium(II) Complexes in an Optically Pure Form. 2001 , 74, 527-537		27
832	Ruthenium(II)MeOBiphep-Arene Dications: Acetylene Reactions and Unexpected Cyclometalation. <i>Organometallics</i> , 2001 , 20, 2982-2989	3.8	20
831	Acceleration of ruthenium(II)- and rhodium(I)-catalyzed hydrogen-transfer reaction by rare earth metal triflates. <i>Tetrahedron Letters</i> , 2001 , 42, 8857-8859	2	4
830	Cp [*] Ru-allylcarbene complexes by nucleophilic attack of cyclic Cp [*] Ru-dicarbene. <i>Journal of Organometallic Chemistry</i> , 2001 , 627, 249-254	2.3	26
829	Reverse reactivity in hydroxylation of adamantane and epoxidation of cyclohexene catalyzed by the mononuclear ruthenium-oxo complexes with 6-substituted tripodal polypyridine ligands. <i>Tetrahedron Letters</i> , 2001 , 42, 3467-3469	2	28
828	Direct synthesis of 2-phenylethanol by hydrogenation of methyl phenylacetate using homogeneous ruthenium-phosphine catalysis under low hydrogen pressure. 2001 , 166, 345-349		36
827	Half-Sandwich Chloro Complexes as Ligands for RuCl ₂ L ₂ (L = PR ₃ , alkene): Syntheses, Structures, and Catalytic Activity of New Homo- and Heterobimetallic Complexes. 2001 , 2001, 685-691		46
826	Bis(ortho)-Chelated Bis(phosphanyl)aryl Ruthenium(II) Complexes Containing an η ¹ -P-Monodentate or η ² -P ₂ -Bridged η ¹ -P,η ¹ -P ₂ -Bonded R ² CHP Arene Ligand, 1-R-3,5-(CH ₂ PPh ₂) ₂ C ₆ H ₃ [R = H, Br, or, Si(n-CH ₂ CH ₂ C ₈ F ₁₇) ₃] [Cyclometalation Reaction Intermediates and Potential Catalysts for Use in Fluorinated Biphasic Systems. 2001 , 2001, 125-131		24
825	The Contribution Made by Triphenylphosphane in the Putative Catalysis by Ruthenium Species in Conjugate Additions of α-Dicarbonyl Compounds. <i>European Journal of Organic Chemistry</i> , 2001 , 2001, 2321-2328	3.2	25
824	Asymmetrische Katalyse mit hinsichtlich Struktur und Funktion gezielt entworfenen Molekülen: die chemo- und stereoselektive Hydrierung von Ketonen. <i>Angewandte Chemie</i> , 2001 , 113, 40-75	3.6	354
823	Ruthenium-Catalyzed Regioselective α-Alkylation of Ketones: The First Alkyl-Group Transfer from Trialkylamines to the α-C Atom of Ketones. <i>Angewandte Chemie</i> , 2001 , 113, 984-986	3.6	10
822	Studies on the mechanism of metal-catalyzed hydrogen transfer from alcohols to ketones. <i>Chemistry - A European Journal</i> , 2001 , 7, 5052-8	4.8	244
821	A novel dinuclear ruthenium complex bridged through a substituted phenazine ligand formed by ruthenium-promoted oxidative assembly of 1,3-diaminobenzene. <i>Chemistry - A European Journal</i> , 2001 , 7, 5222-8	4.8	26

820	Asymmetric Catalysis by Architectural and Functional Molecular Engineering: Practical Chemo- and Stereoselective Hydrogenation of Ketones. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 40-73	16.4	1533
819	Ruthenium-Catalyzed Regioselective α -Alkylation of Ketones: The First Alkyl-Group Transfer from Trialkylamines to the α -C Atom of Ketones. <i>Angewandte Chemie - International Edition</i> , 2001 , 40, 958-960	16.4	59
818	Asymmetric Synthesis of Chiral β -Lactones using BINAP-ruthenium(II) Complexes Hydrogenation Catalysts. 2002 , 2002, 567-569		3
817	Syntheses of Ruthenium(II) Complexes with Pentadentate Ligands and Catalytic Oxidation of Alkane Using 2,6-Dichloropyridine-N-Oxide. <i>Chemistry Letters</i> , 2002 , 31, 434-435	1.7	8
816	Synthesis and Characterization of $[(\eta^6\text{-arene})\text{RuCl}_2(\text{R}_2\text{AsCH}_2\text{CH}_2)]$ and Tethered Arsinopropylarene-Ruthenium(II) Complexes. <i>Organometallics</i> , 2002 , 21, 1727-1733	3.8	17
815	A new ruthenium complex with an electron-donating aminoindenyl ligand for fast metal-mediated living radical polymerizations. 2002 , 124, 9994-5		94
814	Efficient synthesis of functionalized furans via ruthenium-catalyzed cyclization of epoxyalkyne derivatives. <i>Journal of Organic Chemistry</i> , 2002 , 67, 3930-2	4.2	57
813	Air-stable catalysts for highly efficient and enantioselective hydrogenation of aromatic ketones. <i>Journal of Organic Chemistry</i> , 2002 , 67, 7908-10	4.2	81
812	Alkyne Coupling Reactions Mediated by Iron(II) Complexes: Highly Chemo- and Regioselective Formation of η^6 -Coordinated Arene and Pyridine Complexes. <i>Organometallics</i> , 2002 , 21, 2578-2580	3.8	48
811	Bridging and Terminal Half-Sandwich Ruthenium Dinitrogen Complexes and Related Derivatives: A Structural Study. <i>Organometallics</i> , 2002 , 21, 628-635	3.8	45
810	Catalytic C-h/olefin coupling. 2002 , 35, 826-34		954
809	Enantioselective direct-addition of terminal alkynes to imines catalyzed by copper(I)pybox complex in water and in toluene. 2002 , 124, 5638-9		448
808	Efficient ruthenium-catalyzed aerobic oxidation of alcohols using a biomimetic coupled catalytic system. <i>Journal of Organic Chemistry</i> , 2002 , 67, 1657-62	4.2	264
807	Ru-, Rh-, and Pd-catalyzed C-C bond formation involving C-H activation and addition on unsaturated substrates: reactions and mechanistic aspects. <i>Chemical Reviews</i> , 2002 , 102, 1731-70	68.1	1773
806	A silica gel-supported ruthenium complex of 1,4,7-trimethyl-1,4,7-triazacyclononane as recyclable catalyst for chemoselective oxidation of alcohols and alkenes by tert-butyl hydroperoxide. <i>Journal of Organic Chemistry</i> , 2002 , 67, 7716-23	4.2	58
805	Metal-mediated reductive hydrodehalogenation of organic halides. <i>Chemical Reviews</i> , 2002 , 102, 4009-96	68.1	699
804	Multifunctional Ruthenium Catalysts: A Novel Borohydride-Stabilized Polyhydride Complex Containing the Basic, Chelating Diphosphine 1,4-Bis(dicyclohexylphosphino)butane and Its Application to Hydrogenation and Murai Catalysis. <i>Organometallics</i> , 2002 , 21, 1042-1049	3.8	48
803	Oxygen transfer reactions. 4. Reaction of high valent oxoruthenium compounds with sulfides. <i>Inorganic Chemistry</i> , 2002 , 41, 1954-7	5.1	21

802	Electrophilic Half-Sandwich (Carbene)metal (Metal = Fe, Ru, Os) Complexes: Recent Developments in Synthesis and Applications. 2002 , 2002, 783-796		26
801	DFT Calculations of 99Ru Chemical Shifts with All-Electron and Effective Core Potential Basis Sets. 2002 , 2002, 1475-1483		27
800	Progress towards the Stereoselective Synthesis of 3,6-Disubstituted 1,2-Diamino-4-cyclohexenes by Ring Closing Metathesis Reaction. 2002 , 344, 1068-1072		9
799	Free design of chiral diphosphine chelating ligands for stereoselective homogeneous catalysis by assembling five-membered atomatic heterocycles. 2002 , 39, 471-485		21
798	Ruthenium catalyzed hydrogenation of methyl phenylacetate under low hydrogen pressure. 2002 , 178, 105-114		46
797	Oxidation of primary alcohols to aldehydes with oxygen catalysed by tetra-n-propylammonium perruthenate. 2002 , 180, 77-84		65
796	Catalytic mono-oxygenation reactions using mono- and bi-nuclear ruthenium amide complexes as the homogeneous catalysts. 2002 , 188, 45-50		4
795	Ligand manipulation and design for ruthenium metathesis and tandem metathesis-hydrogenation catalysis. 2002 , 190, 177-184		35
794	Trifluoromethylcyclohexane as a new solvent? Limits of use. 2002 , 58, 4067-4070		10
793	Oxidation of primary and secondary alcohols catalyzed by a pentamethylcyclopentadienyliridium complex. <i>Journal of Organometallic Chemistry</i> , 2002 , 649, 289-292	2.3	90
792	Homogeneously catalysed isomerisation of allylic alcohols to carbonyl compounds. <i>Journal of Organometallic Chemistry</i> , 2002 , 650, 1-24	2.3	233
791	Neutral and cationic (η -arene)-ruthenium(II) complexes containing the iminophosphorane-phosphine ligand Ph ₂ PCH ₂ P(<i>N</i> - <i>p</i> -C ₅ F ₄ N)Ph ₂ : influence of the arene ring in catalytic transfer hydrogenation of cyclohexanone. <i>Journal of Organometallic Chemistry</i> , 2002 , 663, 32-39	2.3	44
790	Epoxidation activities of mononuclear ruthenium-oxo complexes with a square planar 6,6'-bis(benzoylamino)-2,2'-bipyridine and axial ligands. <i>Tetrahedron Letters</i> , 2002 , 43, 1491-1494	2	23
789	Ruthenium-catalyzed selective anti-Markovnikov trans addition of carboxylic acids and tail-to-tail dimerization of terminal alkynes. <i>Tetrahedron Letters</i> , 2002 , 43, 2713-2716	2	55
788	Ruthenium-catalyzed regioselective α -alkylation of ketones with primary alcohols. <i>Tetrahedron Letters</i> , 2002 , 43, 7987-7989	2	146
787	Aerobic oxidation of alcohols with ruthenium catalysts in ionic liquids. <i>Tetrahedron Letters</i> , 2002 , 43, 8107-8110	2	82
786	Electrochemical characterization of Langmuir-Blodgett films from the ruthenium complex mer-[RuCl ₃ (dppb)(4-Mepy)]. 2002 , 402, 272-279		10
785	Synthesis, electrochemical studies, density functional analysis and X-ray structures of trans,cis,cis-[RuCl ₂ (N-methylimidazole) ₂ (SbPh ₃) ₂] and trans,cis,cis-[RuCl ₂ (4-methylpyrimidine) ₂ (SbPh ₃) ₂]. The role of C ⁺ H ⁻ N and C ⁺ H ⁻ Cl interactions in pyrimidine pairings and in tuning the angular approach of imidazole residues to metals. <i>Inorganica Chimica Acta</i> , 2002 , 339, 89-103	2.7	10

784	Metal Complexes as Hydrogenation Catalysts. 2003 , 75-139		13
783	Oxidative cyclization in the synthesis of 5- and 6-membered N,O-heterocycles. 2003 , 14, 642-670		6
782	Ruthenium(III) Complexes with a Phenolate-O, Imine-N, and Amide-O Coordinating Ligand: Syntheses, Structures, Properties, and Protonation Studies of Coordinated Amide. 2003 , 2003, 4244-4252		36
781	Sequential Metathesis in Oxa- and Azanorbornene Derivatives. <i>European Journal of Organic Chemistry</i> , 2003 , 2003, 611-622	3.2	76
780	Uncatalyzed and ruthenium(III)-catalyzed reaction of acidic chlorite with methylene violet. 2003 , 35, 294-303		3
779	Easily Accessible Ring Opening Metathesis and Atom Transfer Radical Polymerization Catalysts based on Arene, Norbornadiene and Cyclooctadiene Ruthenium Complexes Bearing Schiff Base Ligands. 2003 , 345, 393-401		41
778	Olefin isomerization promoted by olefin metathesis catalysts. <i>Inorganica Chimica Acta</i> , 2003 , 345, 190-197	2.7	134
777	Ruthenium-catalyzed oxidative coupling and cyclization between 2-aminobenzyl alcohol and secondary alcohols leading to quinolines. 2003 , 59, 7997-8002		128
776	Synthesis, structures, spectroscopic and electrochemical studies of Ru(II) complexes containing bis(phosphino)amine ligands.: Crystal and molecular structures of trans-[RuCl ₂ {Ph ₂ PN(Me)PPh ₂ -P,P}2] and trans-[RuCl ₂ {Ph ₂ PN(iPr)PPh ₂ -P,P}2]. 2003 , 22, 587-593		17
775	Suitable ligands for homogeneous ruthenium-catalyzed hydrogenolysis of esters. 2003 , 206, 185-192		91
774	Synthesis and Structure of an Unusual Carbonyl Ruthenium(II) Complex Containing Neutral NO ₂ as Ligand: [Ru(NO ₂) ₄ (CO)(H ₂ O)]Cl ₂ ·H ₂ O. 2003 , 629, 1585-1588		2
773	Cyclometalated phosphine-based pincer complexes: mechanistic insight in catalysis, coordination, and bond activation. <i>Chemical Reviews</i> , 2003 , 103, 1759-92	68.1	1472
772	Highly efficient liquid-phase oxidation of primary alcohols to aldehydes with oxygen catalysed by Ru-Co oxide. <i>Chemical Communications</i> , 2003 , 1414-5	5.8	99
771	A highly efficient three-component coupling of aldehyde, alkyne, and amines via C-H activation catalyzed by gold in water. 2003 , 125, 9584-5		569
770	Synthesis of poly(biphenylene ruthenacyclopentatrienylene), a new organometallic conducting polymer with ferromagnetic interaction in its reduced state. 2003 , 125, 12420-1		28
769	Biscarbene-ruthenium complexes in catalysis: novel stereoselective synthesis of (1E,3E)-1,4-disubstituted-1,3-dienes via head-to-head coupling of terminal alkynes and addition of carboxylic acids. 2003 , 125, 11964-75		91
768	Ruthenium-Catalyzed One-Pot α -Alkylation of Secondary Alcohols with Primary Alcohols. <i>Organometallics</i> , 2003 , 22, 3608-3610	3.8	154
767	Density Functional Theory Studies of Ruthenium-Catalyzed Bis-Diels-Alder Cycloaddition of 1,5-Cyclooctadiene with Alkynes. <i>Organometallics</i> , 2003 , 22, 5478-5484	3.8	20

766	First X-ray characterization and theoretical study of pi-alkyne, alkynyl-hydride, and vinylidene isomers for the same transition metal fragment [Cp*Ru(PEt3)2] ⁺ . 2003 , 125, 3311-21		85
765	Synthesis, structure, and acid-base and redox properties of a family of new Ru(II) isomeric complexes containing the trpy and the dinucleating Hbpp ligands. <i>Inorganic Chemistry</i> , 2003 , 42, 8385-94	5.1	63
764	Conjugate Addition of Alcohols to Acrylic Compounds Catalyzed by a Bifunctional Ruthenium-Acetamido Complex. <i>Organometallics</i> , 2003 , 22, 3031-3033	3.8	37
763	Bridging fluorides and hard/soft mismatch in d6 and d8 complexes: the case of [Tl(mu-F)3Ru(PPh3)3]. <i>Inorganic Chemistry</i> , 2003 , 42, 8417-29	5.1	40
762	Liquid-phase oxidation of alcohols with oxygen catalysed by modified palladium(II) oxide. 2003 , 4, 417-422		57
761	Oxidation of cyclohexane using a novel RuO2/zeolite nanocomposite catalyst. 2003 , 81, 764-769		11
760	CHIRAL ENOLATE EQUIVALENTS. A REVIEW. 2003 , 35, 1-140		16
759	Transition Metal-Carbene Complexes in Olefin Metathesis and Related Reactions. 2003 , 3, 187-231		32
758	Optically Active Transition Metal Complexes. 130.1 Synthesis, Crystal Structures, and Catalytic Properties of Chiral-at-Metal (16-Arene)ruthenium(II) and (16-Arene)osmium(II) Half-Sandwich Complexes. Crystallization of Pure Diastereomers versus Diastereomer Mixtures in a 1:1 Ratio. <i>Organometallics</i> , 2003 , 22, 1741-1750	3.8	65
757	"Chiral-at-Metal" octahedral ruthenium(II) complexes with achiral ligands: a new type of enantioselective catalyst. <i>Inorganic Chemistry</i> , 2003 , 42, 4810-6	5.1	86
756	Synthesis of spiro diphosphines and their application in asymmetric hydrogenation of ketones. 2003 , 125, 4404-5		232
755	Ruthenium-Catalyzed Coupling Reaction of Benzylic Halides. 2003 , 33, 3583-3588		4
754	Synthesis, structure, and spectroscopic, photochemical, redox, and catalytic properties of ruthenium(II) isomeric complexes containing dimethyl sulfoxide, chloro, and the dinucleating bis(2-pyridyl)pyrazole ligands. <i>Inorganic Chemistry</i> , 2003 , 42, 2040-8	5.1	64
753	Catalytic oxidations of alcohols. 2003 , 123-155		13
752	. 2004 ,		116
751	. 2004 ,		287
750	Transition-metal-catalyzed addition of heteroatom-hydrogen bonds to alkynes. <i>Chemical Reviews</i> , 2004 , 104, 3079-159	68.1	1402
749	Selective aerobic oxidation of hydroxy compounds catalyzed by photoactivated ruthenium-salen complexes (selective catalytic aerobic oxidation). 2004 , 4, 96-109		57

748	Synthesis and Structure of New (Polyphosphane)ruthenium Complexes with the Hemilabile Ligand 2-(Diphenylphosphanyl)-1-methyl-1H-imidazole [An Unexpected Rearrangement of [RuCl ₂ (PN)(PPh ₃) ₂]. 2004 , 2004, 2542-2552		15
747	A New Route to Cationic Half-Sandwich Ruthenium(II) Complexes with Chiral Cyclopentadienylphosphane Ligands. 2004 , 2004, 2244-2252		26
746	Synthesis and Catalytic Activity of (η ⁶ -p-Cymene)(phosphane)ruthenium(II) Complexes Supported on Poly(biphenoxyphosphazene) or Chiral Poly(binaphthoxyphosphazene) Copolymers. 2004 , 2004, 3668		30
745	Catalysis at the Interface of Ruthenium Carbene and Ruthenium Hydride Chemistry: Organometallic Aspects and Applications to Organic Synthesis. <i>European Journal of Organic Chemistry</i> , 2004 , 2004, 1865-1880	3.2	320
744	Consecutive isomerization and cyclization of 3-(2-aminophenyl)-1-arylprop-2-yn-1-ols leading to 2-arylquinolines in the presence of potassium hydroxide. 2004 , 41, 409-411		14
743	Oxo-transfer catalysis from t-BuOOH with C≡N bond insertion using tridentate Schiff-base-chelate complexes of ruthenium(III). <i>Inorganica Chimica Acta</i> , 2004 , 357, 980-990	2.7	37
742	Ruthenium(II)-catalyzed homo-Diels-Alder reactions of disubstituted alkynes and norbornadiene. <i>Tetrahedron Letters</i> , 2004 , 45, 171-174	2	20
741	Three-component coupling of aldehyde, alkyne, and amine catalyzed by silver in ionic liquid. <i>Tetrahedron Letters</i> , 2004 , 45, 2443-2446	2	159
740	Triruthenium dodecacarbonyl/triphenylphosphine catalyzed dehydrogenation of primary and secondary alcohols. 2004 , 60, 1065-1072		39
739	Ru(η ⁶ -1,3,5-cyclooctatriene)(η ² -dimethyl fumarate) ₂ : a novel, versatile zerovalent ruthenium complex with electron-deficient olefinic ligands. <i>Journal of Organometallic Chemistry</i> , 2004 , 689, 4530-4539	2.3	12
738	RuCl ₂ [S-BINAP]-catalyzed synthesis of aldehydes and ketones by dehydrogenation of alcohols. 2004 , 218, 29-40		7
737	Catalysis by low oxidation state transition metal (carbonyl) clusters. 2004 , 248, 2443-2458		85
736	Mechanisms of the H ₂ -hydrogenation and transfer hydrogenation of polar bonds catalyzed by ruthenium hydride complexes. 2004 , 248, 2201-2237		1121
735	Ruthenium-catalyzed [3 + 2] intramolecular cycloaddition of alk-5-ynylidenecyclopropanes promoted by the "first-generation" Grubbs carbene complex. 2004 , 126, 10262-3		73
734	Reaction of the Ruthenium(II) Indenyl Complex [Ru(η ⁵ -C ₉ H ₇){η ³ (P,C,C)-PPh ₂ (CH ₂ CHCH ₂)}(PPh ₃)]PF ₆ with Terminal Alkynes. Mechanisms of 1-Alkyne to η ³ -Vinylidene Transformation and Kinetic Detection of Hemilability of the Allenylphosphine Ligand. <i>Organometallics</i> , 2004 , 23, 5127-5134	3.8	34
733	Reactions of a Hexahydride-Osmium Complex with Aldehydes: Double C≡N Activation/Decarbonylation and Single C≡N Activation/Hydroxylation Tandem Processes and Catalytic Tishchenko Reactions. <i>Organometallics</i> , 2004 , 23, 1340-1348	3.8	96
732	Ruthenium(II) η ² -Acetylide and Carbene Complexes Supported by the Terpyridine/Bipyridine Ligand Set: Structural, Spectroscopic, and Photochemical Studies. <i>Organometallics</i> , 2004 , 23, 2263-2272	3.8	27
731	A new class of tethered-arene ruthenium(II) complexes with pendant P and C donor atoms: synthesis of η ⁶ :η ¹ :η ¹ phosphonio-azabutadienyl ruthenabicycles via allenylidene intermediates. <i>Chemical Communications</i> , 2004 , 1820-1	5.8	29

730	The ruthenium(II)-supported heteropolytungstates [Ru(dmsO)3(H2O)-XW11O39]6- (X = Ge, Si). <i>Dalton Transactions</i> , 2004 , 3184-90	4.3	62
729	Water-soluble ruthenium(II) catalysts [RuCl2(eta6-arene)[P(CH2OH)3]] for isomerization of allylic alcohols and alkyne hydration. <i>Dalton Transactions</i> , 2004 , 3635-41	4.3	77
728	RuCl2[(2,6-Me2C6H3)PPh2]2: A New Precursor for Cyclometalated Ruthenium(II) Complexes. <i>Organometallics</i> , 2004 , 23, 6264-6272	3.8	47
727	(p-cymene)Ruthenium(II)(diphenylphosphino)alkyne Complexes: Preparation of (ECI)(PPh2C≡CR)-Bridged Ru/Pt Heterobimetallic Complexes. <i>Organometallics</i> , 2004 , 23, 4288-4300	3.8	22
726	Probing the ruthenium-cumulene bonding interaction: synthesis and spectroscopic studies of vinylidene- and allenylidene-ruthenium complexes supported by tetradentate macrocyclic tertiary amine and comparisons with diphosphine analogues of ruthenium and osmium. 2004 , 126, 2501-14		40
725	Ruthenium-catalyzed Heck-type olefination and Suzuki coupling reactions: studies on the nature of catalytic species. 2004 , 126, 250-8		127
724	Solid-state Ru-99 NMR spectroscopy: a useful tool for characterizing prototypal diamagnetic ruthenium compounds. 2004 , 126, 10972-80		26
723	A ruthenium-grafted hydrotalcite as a multifunctional catalyst for direct alpha-alkylation of nitriles with primary alcohols. 2004 , 126, 5662-3		214
722	A highly efficient asymmetric Suzuki-Miyaura coupling reaction catalyzed by cationic chiral palladium(ii) complexes. <i>Chemical Communications</i> , 2004 , 2082-3	5.8	115
721	CpIr complex-catalyzed N-heterocyclization of primary amines with diols: a new catalytic system for environmentally benign synthesis of cyclic amines. <i>Organic Letters</i> , 2004 , 6, 3525-8	6.2	231
720	Ruthenium-catalyzed [2 + 2] cycloadditions between 7-substituted norbornadienes and alkynes: an experimental and theoretical study. <i>Journal of Organic Chemistry</i> , 2004 , 69, 8467-74	4.2	40
719	The oxidation of Delta2, Delta2,4 and Delta4,6 steroids with RuO4. 2004 , 69, 173-9		8
718	Preparation, structure characterization, and oxidation activity of ruthenium complexes with tripodal ligands bearing noncovalent interaction sites. <i>Inorganic Chemistry</i> , 2004 , 43, 8119-29	5.1	56
717	Study of Binuclear Complexes with two [RuII(bpy)2]2+ Moieties Coordinated by a Bridging Binucleating Ligand (L) Bearing two Bidentate Chelating Sites. 2004 , 2004, 99-102		
716	Ruthenium-Catalyzed Oxidation of Alkenes, Alcohols, Amines, Amides, Lactams, Phenols, and Hydrocarbons. 2005 , 165-191		3
715	Ruthenium Catalyzed Deuterium Labelling of Carbon in Primary Alcohol and Primary/Secondary Amine in D2O. <i>Chemistry Letters</i> , 2005 , 34, 192-193	1.7	54
714	Ruthenium-catalyzed Reconstructive Synthesis of Functional Organic Molecules via Cleavage of Carbon-Carbon Bonds. <i>Chemistry Letters</i> , 2005 , 34, 1462-1467	1.7	104
713	Ruthenium-catalyzed Hydrative Dimerization of Allenes. <i>Chemistry Letters</i> , 2005 , 34, 504-505	1.7	8

712	Some trans-chlorobis(triphenylphosphine)ruthenium(II) complexes with N,N,O-donor N-(aroyl)-N'-(picolinylidene)hydrazines. 2005 , 24, 57-63		43
711	Manganese-catalyzed enantioselective oxidation of C-H bonds of alkanes and silyl ethers to optically active ketones. 2005 , 16, 3527-3535		35
710	[Ru(DMSO) ₄]Cl ₂ catalyzes the α -alkylation of ketones by alcohols. <i>Tetrahedron Letters</i> , 2005 , 46, 3683-3686		160
709	Nitrobenzene as hydrogen acceptor in Pd/C-catalyzed hydrogen transfer reaction. <i>Tetrahedron Letters</i> , 2005 , 46, 4989-4991	2	17
708	Recent advances in biaryl-type bisphosphine ligands. 2005 , 61, 5405-5432		300
707	Polymer-micelle incarcerated ruthenium catalysts for oxidation of alcohols and sulfides. 2005 , 61, 12177-12185	6	
706	The Synthesis and Characterisation of Bis(phosphane)-Linked (6-p-Cymene)ruthenium(II) Borane Compounds. 2005 , 2005, 4762-4774		25
705	Ruthenium-catalyzed reactions--a treasure trove of atom-economic transformations. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6630-66	16.4	472
704	Formation of an unsymmetrical dinuclear ruthenium complex with μ -H, μ -OH, and μ - κ^2 -CO ₂ bridges and multiple reactive sites. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5509-13	16.4	9
703	Ruthenium(II) terdentate CNN complexes: superlative catalysts for the hydrogen-transfer reduction of ketones by reversible insertion of a carbonyl group into the Ru-H bond. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 6214-9	16.4	209
702	Simple one-pot conversion of organic compounds by hydrogen peroxide activated by ruthenium(III) chloride: organic conversions by hydrogen peroxide in the presence of ruthenium(III). 2005 , 19, 1079-1082		15
701	Ruthenium-katalysierte Reaktionen--eine Schatzkiste für atomökonomische Umwandlungen. <i>Angewandte Chemie</i> , 2005 , 117, 6788-6825	3.6	128
700	Formation of an Unsymmetrical Dinuclear Ruthenium Complex with μ -H, μ -OH, and μ -CO ₂ Bridges and Multiple Reactive Sites. <i>Angewandte Chemie</i> , 2005 , 117, 5645-5649	3.6	3
699	Ruthenium(II) Terdentate CNN Complexes: Superlative Catalysts for the Hydrogen-Transfer Reduction of Ketones by Reversible Insertion of a Carbonyl Group into the Ru-H Bond. <i>Angewandte Chemie</i> , 2005 , 117, 6370-6375	3.6	55
698	Dynamic Catalysis in Aerobic Oxidation by Solid-Living Materials. 2005 , 15, 846-850		9
697	Direct and Transfer Hydrogenation of Ketones and Imines with a Ruthenium N-Heterocyclic Carbene Complex. 2005 , 347, 591-594		103
696	A rhodium-catalyzed route for oxidative coupling and cyclization of 2-aminobenzyl alcohol with ketones leading to quinolines. 2005 , 42, 1219-1222		41
695	Synthetic scope and mechanistic studies of Ru(OH) _x /Al ₂ O ₃ -catalyzed heterogeneous hydrogen-transfer reactions. <i>Chemistry - A European Journal</i> , 2005 , 11, 6574-82	4.8	72

694	Catalytic oxidation of alcohols to carbonyl compounds with hydrogen peroxide using dinuclear iron complexes. 2005 , 230, 79-83		53
693	Enantioselective hydrogenation of levulinic acid esters in the presence of the RuII-BINAP-HCl catalytic system. 2005 , 54, 2374-2378		44
692	Synthesis of Polyoxygenated Steroids with Transition Metal-Based Oxidants: Methyltrioxorhenium-Hydrogen Peroxide System, Ruthenium Tetraoxide, Osmium Tetraoxide and Potassium Permanganate. <i>Current Organic Synthesis</i> , 2005 , 2, 1-20	1.9	8
691	Ions, Radicals, Carbenes, and Other Monocoordinated Systems. 2005 , 1177-1259		0
690	Regioselective nucleophilic addition of triphenylphosphine to the nitrosylruthenium alkynyl complexes having a hydrotris(pyrazol-1-yl)borate: formation of phosphonio-alkenyl, alkynyl, and allenyl species. <i>Dalton Transactions</i> , 2005 , 930-7	4.3	25
689	A remarkably effective catalyst for the asymmetric transfer hydrogenation of aromatic ketones in water and air. <i>Chemical Communications</i> , 2005 , 4447-9	5.8	119
688	Ene-Type Reactions between an η -Alkenylphosphine and Terminal Alkynes Promoted by Osmium-Cyclopentadienyl Fragments. <i>Organometallics</i> , 2005 , 24, 2030-2038	3.8	43
687	Dehydrogenative Formation of a (η -Enone)ruthenium(0) Complex as a Key Intermediate in the Catalytic Isomerization of Allylic Alcohol to Ketone. <i>Organometallics</i> , 2005 , 24, 1059-1061	3.8	19
686	Ruthenium-catalyzed stereoselective intramolecular carbenoid C-H insertion for beta- and gamma-lactam formations by decomposition of alpha-diazoacetamides. <i>Organic Letters</i> , 2005 , 7, 1081-4	6.2	98
685	Syntheses and Structures of the Trinuclear Ruthenium Complexes $[\text{RuCl}_2(\text{PAd}_2\text{Bu})]_3$ and $[\text{RuCl}_2(\text{PtBu}_2\text{Cy})]_3$. <i>Organometallics</i> , 2005 , 24, 5792-5794	3.8	6
684	Stoichiometric and Catalytic sp^3 C-H/D ₂ Exchange Reactions of ortho-Substituted Benzenethiol and Phenols by a Ruthenium(II) Complex. Effect of a Chalcogen Anchor on the Bond Cleavage Reaction. <i>Organometallics</i> , 2005 , 24, 4799-4809	3.8	21
683	The Cyclopentadienyl-Osmium Moiety as Template for the Formation of a Dihydronaphthylphosphine by Coupling between Phenylacetylene and an η -Alkenylphosphine. <i>Organometallics</i> , 2005 , 24, 5180-5183	3.8	21
682	Oxidation Reactions. 2005 , 53-93		2
681	Ruthenium-catalyzed cycloaddition of alkynes and organic azides. 2005 , 127, 15998-9		865
680	Synthesis of iron(II), manganese(II) cobalt(II) and ruthenium(II) complexes containing tridentate nitrogen ligands and their application in the catalytic oxidation of alkanes. <i>Dalton Transactions</i> , 2005 , 945-55	4.3	93
679	C \equiv N Transformation at Functionalized Alkanes. 317-496		
678	Trilacunary heteropolytungstates functionalized by organometallic ruthenium(II), $[(\text{RuC}_6\text{H}_6)_2\text{XW}_9\text{O}_{34}]_6^-$ (X = Si, Ge). <i>Inorganic Chemistry</i> , 2005 , 44, 7485-93	5.1	51
677	The Ru(II)-supported heptatungstates $[\text{HXW}_7\text{O}_{28}\text{Ru}(\text{dmsO})_3]_6^-$ (X=P, As). <i>Chemical Communications</i> , 2005 , 3962-4	5.8	44

676	Reaction Scope and Mechanism of Sterically Induced Ruthenium-Mediated Intramolecular Coupling of o-Carboranyl with Cyclopentadienyl. Synthesis and Structure of Ruthenium Complexes Incorporating Doubly Linked Cyclopentadienyl-Carboranyl Ligands. <i>Organometallics</i> , 2006 , 25, 4188-4195	3.8	15
675	Six-Coordinate Alkynyldiphenylphosphine Ruthenium(II) Complexes: Synthesis, Structure, and Catalytic Activity as ROMP Initiators. <i>Organometallics</i> , 2006 , 25, 684-692	3.8	19
674	Imination reactions of free and coordinated 2-diphenylphosphino-1-phenyl-phospholane: Access to regioisomeric ruthenium(II) complexes containing novel iminophosphorane-phosphine ligands. <i>New Journal of Chemistry</i> , 2006 , 30, 1295-1306	3.6	19
673	Diastereospecific and diastereoselective syntheses of Ruthenium(II) complexes using N,N'-bidentate ligands aryl-pyridin-2-ylmethyl-amine ArNH-CH ₂ -2-C ₅ H ₄ N and their oxidation to imine ligands. <i>Inorganic Chemistry</i> , 2006 , 45, 2483-93	5.1	49
672	Structural characterization of mono-ruthenium substituted Keggin-type silicotungstates. <i>Dalton Transactions</i> , 2006 , 4271-6	4.3	75
671	An unusual dimerization of primary unsaturated alcohols catalyzed by RuHCl(CO)(PPh ₃) ₃ . <i>Chemical Communications</i> , 2006 , 1875-7	5.8	31
670	Experimental and theoretical study of the regiospecific coordination of RuII and OsII fragments on the lacunary polyoxometalate [alpha-PW11O39]7-. 2006 , 110, 6345-55		51
669	Ruthenium hydroxide on magnetite as a magnetically separable heterogeneous catalyst for liquid-phase oxidation and reduction. 2006 , 8, 735		179
668	Terdentate RuX(CNN)(PP) (X = Cl, H, OR) Complexes: Synthesis, Properties, and Catalytic Activity in Fast Transfer Hydrogenation. <i>Organometallics</i> , 2006 , 25, 4611-4620	3.8	94
667	Remote substituent effects in ruthenium-catalyzed [2+2] cycloadditions: an experimental and theoretical study. <i>Journal of Organic Chemistry</i> , 2006 , 71, 3793-803	4.2	29
666	New Ru complexes containing the N-tridentate bpea and phosphine ligands: consequences of meridional vs facial geometry. <i>Inorganic Chemistry</i> , 2006 , 45, 10520-9	5.1	40
665	Dilacunary decatungstates functionalized by organometallic ruthenium(II), [Ru(C ₆ H ₆)(H ₂ O)]{Ru(C ₆ H ₆)}(gamma-XW10O36)] ⁴⁻ (X = Si, Ge). <i>Inorganic Chemistry</i> , 2006 , 45, 8575-83	5.1	60
664	Reactions of [Cp*Ru(H ₂ O)(NBD)] ⁺ with Dihydrogen, Silanes, Olefins, Alkynes, and Allenes. <i>Organometallics</i> , 2006 , 25, 2344-2354	3.8	16
663	Ruthenium(III) Chloride. 2006 ,		
662	Ruthenium-Catalyzed Addition of Terminal Alkynes to Alkynylstannanes with Migration of the Stannyl Group. 2006 , 79, 1963-1976		10
661	Design of High-Performance Heterogeneous Metal Catalysts for Green and Sustainable Chemistry. 2006 , 79, 981-1016		125
660	Tethering versus Non-Coordination of Hydroxy and Methoxy Side Chains in Arene Half Sandwich Dichloro Ruthenium Complexes. 2006 , 632, 400-408		16
659	Chemistry of Ru(eta ⁶ -1,3,5-cyclooctatriene)(eta ² -dimethyl fumarate) ₂ . 2006 , 6, 107-16		13

658	A study of zeolite NaY-supported ruthenate in the oxidation of alcohols. 2006 , 245, 266-271		2
657	Selective hydrogen transfer reduction of ketones by recyclable ruthenium complex catalysts containing a ROMP polymer-attached ligand. 2006 , 245, 152-160		17
656	RuO complexes as catalysts for oxidative transformations, including the oxidation of water to molecular dioxygen. 2006 , 251, 215-220		29
655	Catalytic transfer hydrogenolysis of 2-phenyl-2-propanol over palladium supported on activated carbon. 2006 , 252, 176-180		20
654	Synthesis, characterization and structure of ruthenium(II) phosphine complexes with N-heterocyclic thiolate ligands. <i>Inorganica Chimica Acta</i> , 2006 , 359, 391-400	2.7	19
653	Synthesis, structure and properties of di- and mononuclear ruthenium(III) complexes with N-(benzoyl)-N'-(salicylidene)hydrazine and its derivatives. <i>Inorganica Chimica Acta</i> , 2006 , 359, 3212-3220 ^{2.7}		32
652	Ruthenium(III) complexes of dipicolinic acid with PPh ₃ /AsPh ₃ as co-ligand: Synthesis and structural characterization. 2006 , 25, 2223-2228		25
651	Synthesis, characterization, catalytic oxidation and biological activity of ruthenium(III) Schiff base complexes derived from 3-acetyl-6-methyl-2H-pyran-2,4(3H)-dione. 2006 , 25, 3095-3103		70
650	Half-sandwich η^6 -benzene Ru(II) complexes of pyridylpyrazole and pyridylimidazole ligands: Synthesis, spectra, and structure. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 3545-3555	2.3	53
649	A ruthenium-catalyzed one-pot method for α -alkylation of ketones with aldehydes. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 4329-4332	2.3	32
648	Synthesis of [Ru(CO) ₂ (PPh ₃)(SP)] and [Ru(CO)(PPh ₃) ₂ (SP)] and their catalytic activities for the hydroamination of phenylacetylene. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 5739-5745	2.3	17
647	Spectral, redox and catalytic studies of triphenylphosphine/triphenylarsine complexes of Ru(III) with N, O donor ligands derived from 2-hydroxy-1-naphthaldehyde and primary amines. 2006 , 64, 886-90		16
646	Host (nanocavity of zeolite-Y) guest (tetraaza[14]annulene copper(II) complexes) nanocomposite materials: Synthesis, characterization and liquid phase oxidation of benzyl alcohol. 2006 , 245, 192-199		117
645	Bio-inspired oxidations with polyoxometalate catalysts. 2006 , 251, 93-99		59
644	Olefins isomerization by hydride-complexes of ruthenium. 2006 , 259, 17-23		42
643	A new route for the preparation of the 22,23-dioxocholestane side chain from diosgenin and its application to the stereocontrolled construction of the 22R,23S-diol function. 2006 , 62, 2594-2602		22
642	Easy α -alkylation of ketones with alcohols through a hydrogen autotransfer process catalyzed by RuCl ₂ (DMSO) ₄ . 2006 , 62, 8988-9001		195
641	A simple, catalytic H ₂ -hydrogenation method for the synthesis of fine chemicals; hydrogenation of protoporphyrin IX dimethyl ester. <i>Tetrahedron Letters</i> , 2006 , 47, 5119-5122	2	7

640	A new ruthenium-catalyzed approach for quinoxalines from o-phenylenediamines and vicinal-diols. <i>Tetrahedron Letters</i> , 2006 , 47, 5633-5636	2	79
639	A copper(II)-catalyzed protocol for modified Friedländer quinoline synthesis. <i>Tetrahedron Letters</i> , 2006 , 47, 6781-6785	2	63
638	Ruthenium-catalyzed oxidation of alkenes, alkynes, and alcohols to organic acids with aqueous hydrogen peroxide. 2006 , 1, 453-8		39
637	Heterogeneization of a new Ru(II) homogeneous asymmetric hydrogenation catalyst containing BINAP and the N-tridentate bpea ligand, through covalent attachment on amorphous AlPO ₄ support. 2006 , 40, 193-205		18
636	A study of poly(4-vinylpyridine)-supported ruthenate in the oxidation of alcohols. 2006 , 110, 61-70		9
635	The synthesis of heteronuclear clusters containing cyclopentadienyl- or pentamethylcyclopentadienyliridium and ruthenium or osmium. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 403-412	2.3	7
634	Synthesis and structural chemistry of arene-ruthenium half-sandwich complexes bearing an oxazolinylbarbene ligand. <i>Journal of Organometallic Chemistry</i> , 2006 , 691, 2713-2720	2.3	56
633	Atropisomeric discrimination in new Ru(II) complexes containing the C(2)-symmetric didentate chiral phenyl-1,2-bisoxazolinic ligand. <i>Chemistry - A European Journal</i> , 2006 , 12, 2798-807	4.8	30
632	Environmentally friendly one-pot synthesis of alpha-alkylated nitriles using hydrotalcite-supported metal species as multifunctional solid catalysts. <i>Chemistry - A European Journal</i> , 2006 , 12, 8228-39	4.8	100
631	Ring-opening polymerization of lactones using RuCl ₂ (PPh ₃) ₃ as initiator: Effect of hydroxylic transfer agents. 2006 , 99, 2737-2745		6
630	Ru nanoparticles immobilized on montmorillonite by ionic liquids: a highly efficient heterogeneous catalyst for the hydrogenation of benzene. <i>Angewandte Chemie - International Edition</i> , 2005 , 45, 266-9	16.4	181
629	Highly efficient cross-dehydrogenative-coupling between ethers and active methylene compounds. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 1949-52	16.4	255
628	Ruthenium-mediated coupling/cycloaddition of the cyclopentadienyl ligand in $[\{\eta(5):\sigma\text{-Me}(2)\text{C}(\text{C}(5)\text{H}(4))(\text{C}(2)\text{B}(10)\text{H}(10))\}\text{Ru}(\text{NCCH}(3))(2)]$ with alkynes. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 5533-6	16.4	36
627	Cascade reactions in total synthesis. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 7134-86	16.4	1804
626	A versatile ruthenium catalyst for C-C bond formation by C-H bond activation. <i>Angewandte Chemie - International Edition</i> , 2006 , 45, 8232-5	16.4	117
625	Simple and economical conversion of organic compounds with H ₂ O ₂ catalyzed by ruthenium (III) chloride. 2006 , 20, 20-23		18
624	Ruthenium(II)-Catalyzed Cyclization of Oxabenzonorbornenes with Propargylic Alcohols: Formation of Isochromenes. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 5449-5453	3.2	30
623	Ruthenium-catalyzed biginelli condensation: A simple and efficient one-pot synthesis of 3,4-dihydropyrimidin-2(1H)-ones under mild reaction conditions. 2006 , 43, 777-779		6

622	Ru Nanoparticles Immobilized on Montmorillonite by Ionic Liquids: A Highly Efficient Heterogeneous Catalyst for the Hydrogenation of Benzene. <i>Angewandte Chemie</i> , 2006 , 118, 272-275	3.6	38
621	Highly Efficient Cross-Dehydrogenative-Coupling between Ethers and Active Methylene Compounds. <i>Angewandte Chemie</i> , 2006 , 118, 1983-1986	3.6	97
620	Ruthenium-Mediated Coupling/Cycloaddition of the Cyclopentadienyl Ligand in $[\{\text{B}:\text{BMe}_2\text{C}(\text{C}_5\text{H}_4)(\text{C}_2\text{B}_{10}\text{H}_{10})\}\text{Ru}(\text{NCCH}_3)_2]$ with Alkynes. <i>Angewandte Chemie</i> , 2006 , 118, 5659-5662	3.6	3
619	Kaskadenreaktionen in der Totalsynthese. <i>Angewandte Chemie</i> , 2006 , 118, 7292-7344	3.6	617
618	A Versatile Ruthenium Catalyst for C=C Bond Formation by C-H Bond Activation. <i>Angewandte Chemie</i> , 2006 , 118, 8412-8415	3.6	34
617	Diruthenium(I,I) Catalysts for the Formation of β - and γ -Lactams via Carbenoid C-H Insertion of β -Diazoacetamides. 2006 , 348, 2203-2211		44
616	Efficient Access to Conjugated Dienones and Diene-diones from Propargylic Alcohols and Enolizable Ketones: A Tandem Isomerization/Condensation Process Catalyzed by the Sixteen-Electron Allyl-Ruthenium(II) Complex $[\text{Ru}(\text{B}-2-\text{C}_3\text{H}_4\text{Me})(\text{CO})(\text{dppf})][\text{SbF}_6]$. 2006 , 348, 2125-2132		37
615	Lewis Acid Catalysis by Ruthenium Complexes. 2006 , 10, 151-163		21
614	Synthesis and Application of New N-Heterocyclic Carbene Ruthenium Complexes in Catalysis: A Case Study. 2006 , 10, 203-215		63
613	Ruthenium(VIII) Oxide. 2006 ,		
612	Characteristics of Mononuclear Ruthenium(IV) Dxo Complexes Adjusted by Axial Ligand for the Catalysis of Oxygen-Transfer Reactions. 2007 , 80, 507-517		23
611	Chemistry of a novel zerovalent ruthenium η^6 -acidic alkene complex, $\text{Ru}(\eta^6\text{-}1,3,5\text{-cyclooctatriene})(\eta^2\text{-dimethyl fumarate})_2$. 2007 , 83, 65-76		17
610	Reactions of C-H bonds in water. <i>Chemical Reviews</i> , 2007 , 107, 2546-62	68.1	573
609	A new coupling reaction for the synthesis of ruthenium half-sandwich complexes with sterically demanding cyclopentadienyl ligands. <i>Chemical Communications</i> , 2007 , 1837-9	5.8	17
608	Mechanistic insights into the chemistry of RuII complexes containing Cl and DMSO ligands. <i>Inorganic Chemistry</i> , 2007 , 46, 10707-16	5.1	48
607	Dimerization of mono-ruthenium substituted alpha-Keggin-type tungstosilicate $[\alpha\text{-SiW}_{11}\text{O}_{39}\text{Ru}(\text{H}_2\text{O})]_5^-$ to micro-oxo-bridged dimer in aqueous solution: synthesis, structure, and redox studies. <i>Dalton Transactions</i> , 2007 , 2833-8	4.3	48
606	Synthesis and reactivity of $\{\text{Ru}(\text{p-cymene})\}_2^{2+}$ derivatives of $[\text{Nb}_6\text{O}_{19}]^{8-}$: a rational approach towards fluxional organometallic derivatives of polyoxometalates. <i>Dalton Transactions</i> , 2007 , 1334-45	4.3	44
605	Catalytic hydrogenation of polar organic functionalities based on Ru-mediated heterolytic dihydrogen cleavage. <i>Chemical Communications</i> , 2007 , 5134-42	5.8	184

604	Organoruthenium derivative of the cyclic [H7P8W48O184]33- anion: $[[K(H_2O)]_3Ru(p\text{-cymene})(H_2O)]_4P_8W_49O_{186}(H_2O)_2]^{27-}$. <i>Dalton Transactions</i> , 2007 , 2627-30	4.3	78
603	Synthesis, structure, redox properties, and catalytic activity of new ruthenium complexes containing neutral or anionic and facial or meridional ligands: an evaluation of electronic and geometrical effects. <i>Inorganic Chemistry</i> , 2007 , 46, 5381-9	5.1	17
602	Regioselective Synthesis of η^4 -Dienylphosphane Ruthenium Complexes by Oxidative Coupling Reactions. <i>Organometallics</i> , 2007 , 26, 5315-5322	3.8	11
601	First example of direct RuO ₄ -catalyzed oxidation of isoxazolidines to 3-isoxazolidones. <i>Journal of Organic Chemistry</i> , 2007 , 72, 3958-60	4.2	14
600	The first Au-nanoparticles catalyzed green synthesis of propargylamines via a three-component coupling reaction of aldehyde, alkyne and amine. 2007 , 9, 742		162
599	Recent progress and applications for metallodendrimers. <i>New Journal of Chemistry</i> , 2007 , 31, 1192	3.6	190
598	Highly selective hydrogenation of carbon-carbon multiple bonds catalyzed by the cation $[(C(6)Me(6))(2)Ru(2)(PPh(2))H(2)]^+$: molecular structure of $[(C(6)Me(6))(2)Ru(2)(PPh(2))(CHCHPh)H]^+$, a possible intermediate in the case of phenylacetylene hydrogenation. <i>Chemistry - A European Journal</i> , 2007 , 13, 292-9	4.8	12
597	Forming aromatic hemispheres on transition-metal surfaces. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 7891-5	16.4	67
596	Forming Aromatic Hemispheres on Transition-Metal Surfaces. <i>Angewandte Chemie</i> , 2007 , 119, 8037-8043	3.6	27
595	A Novel Propargylation/Cycloisomerization Tandem Process Catalyzed by a Ruthenium(II)/Trifluoroacetic Acid System: One-Pot Entry to Fully Substituted Furans from Readily Available Secondary Propargylic Alcohols and 1,3-Dicarbonyl Compounds. 2007 , 349, 382-394		76
594	The Spectroscopic, Electrochemical and Structural Characterization of a Family of Ru Complexes Containing the C ₂ -Symmetric Didentate Chiral 1,3-Oxazoline Ligand and Their Catalytic Activity. 2007 , 2007, 5207-5214		15
593	Chiral η^2 -DIOP Ruthenium Complexes for Asymmetric Radical Addition and Living Radical Polymerization Reactions. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 782-791	3.2	38
592	Highly Efficient Direct Alkylation of Activated Methylene by Cycloalkanes. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 4654-4657	3.2	136
591	Efficient one-pot synthesis of propargylamines using zinc dust. <i>Tetrahedron Letters</i> , 2007 , 48, 7332-7334		61
590	An efficient synthesis of propargylamines using a silica gel anchored copper chloride catalyst in an aqueous medium. <i>Tetrahedron Letters</i> , 2007 , 48, 7882-7886	2	55
589	NHCRu complexes friendly catalytic tools for manifold chemical transformations. 2007 , 251, 765-794		247
588	Ruthenium-catalyzed reductive coupling between ketones and primary alcohols in the presence of ethylenediamine. 2007 , 267, 49-52		12
587	A comparative study of the ruthenium(VI)dioxocarboxylato salts, $[PPh_4][RuO_2(OCOR)Cl_2]$ (R = CH ₃ , CF ₃ , C ₆ H ₅ , C ₆ F ₅ , C ₅ H ₁₁), in the oxidation of alcohols. 2007 , 271, 277-283		4

- 586 Half-sandwich η^6 -benzene Ru(II) complexes of phenolate-based pyridylalkylamine/alkylamine ligands: Synthesis, structure, and stabilization of one-electron oxidized species. *Journal of Organometallic Chemistry*, **2007**, 692, 3248-3260 2.3 26
- 585 A recyclable palladium-catalyzed modified Friedländer quinoline synthesis. *Journal of Organometallic Chemistry*, **2007**, 692, 4182-4186 2.3 68
- 584 Octahedral ruthenium(II) complexes cis,cis-[RuX₂(CNR)(CO)(P?P)] and cis,cis,cis-[RuX₂(CO)₂(P?P)] (X = Cl, Br; P?P = 1,1'-bis(diphenylphosphino)ferrocene, 1,1'-bis(diisopropylphosphino)ferrocene): Synthesis and catalytic applications in transfer hydrogenation of acetophenone and cycloisomerization of (Z)-3-methylpent-2-en-4-yn-1-ol. *Journal of Organometallic Chemistry*, **2007**, 692, 5395-5402 2.3 15
- 583 Synthesis and structural characterization of ruthenium(II) complexes bearing phosphine-pyrazolyl based tripod ligands. *Journal of Organometallic Chemistry*, **2007**, 692, 5395-5402 2.3 7
- 582 Living ring-opening metathesis polymerization. **2007**, 32, 1-29 1116
- 581 Aerobic selective oxidation of (hetero)aromatic primary alcohols to aldehydes or carboxylic acids over carbon supported platinum. **2007**, 70, 621-629 33
- 580 Ruthenium Half-Sandwich Complexes with Sterically Demanding Cyclopentadienyl Ligands. *Organometallics*, **2007**, 26, 4791-4799 3.8 29
- 579 Mechanistic Aspects of Olefin-polymerization Catalysis. **2007**, 141-165 2
- 578 Synthesis, spectral characterization and catalytic applications of Ru(II) complexes with amide ligands. **2007**, 32, 23-30 14
- 577 Aquachlororuthenium(III) complex catalysis in the oxidation of malonic and methylmalonic acids by bromate in perchloric acid medium. Study of induction period and evaluation of individual kinetic parameters. **2007**, 32, 246-256 6
- 576 Mixed-Valence 24-Vanadophosphate Decorated with Six Ru(II)(dmsO)₃ Groups: [{Ru(II)(dmsO)₃}(PVV₁₁VIVRu(III)O₃₇(OH)₃)₂]₈ **2008**, 19, 259-273 18
- 575 Synthesis, spectral studies, and catalytic and antibacterial activity of Ru(II) complexes with coordinated amides. **2008**, 75, 864-871
- 574 Synthetic scope of Ru(OH)_x/Al₂O₃-catalyzed hydrogen-transfer reactions: an application to reduction of allylic alcohols by a sequential process of isomerization/Meerwein-Ponndorf-Verley-type reduction. *Chemistry - A European Journal*, **2008**, 14, 4104-9 4.8 44
- 573 Highly dispersed ruthenium hydroxide supported on titanium oxide effective for liquid-phase hydrogen-transfer reactions. *Chemistry - A European Journal*, **2008**, 14, 11480-7 4.8 64
- 572 [Ru(PPh₃)₃Cl₂]-Mediated Transformation of $\text{C}\equiv\text{CH}_3$ into =CHPPh₃ in Biacetylmonoxime Acetyl-/Aroylhydrazones: Ruthenium(III) Complexes with the Transformed Ligands. **2008**, 2008, 5540-5546 12
- 571 Ruthenium(II)-Catalyzed [2+2] Cycloadditions of anti 7-Substituted Norbornenes. *European Journal of Organic Chemistry*, **2008**, 2008, 80-86 3.2 13
- 570 Silica-Immobilized NHCCuI Complex: An Efficient and Reusable Catalyst for A³-Coupling (Aldehyde/Alkyne/Amine) under Solventless Reaction Conditions. *European Journal of Organic Chemistry*, **2008**, 2008, 2255-2261 3.2 117
- 569 Cycloisomerization of 1,n-enynes: challenging metal-catalyzed rearrangements and mechanistic insights. *Angewandte Chemie - International Edition*, **2008**, 47, 4268-315 16.4 856

568	Supported gold(III) catalysts for highly efficient three-component coupling reactions. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 4358-61	16.4	226
567	Ruthenium-catalyzed oxidative cross-coupling of chelating arenes and cycloalkanes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 6278-82	16.4	228
566	Ruthenium-catalyzed cycloaddition of nitrile oxides and alkynes: practical synthesis of isoxazoles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8285-7	16.4	144
565	Highly Efficient Metal-Free Cross-Coupling by C-H Activation between Allylic and Active Methylenic Compounds Promoted by DDQ. 2008 , 350, 1263-1266		106
564	Cycloisomerisierungen von 1,n-Eninen: faszinierende metallkatalysierte Umlagerungen und mechanistische Einblicke. <i>Angewandte Chemie</i> , 2008 , 120, 4338-4386	3.6	304
563	Supported Gold(III) Catalysts for Highly Efficient Three-Component Coupling Reactions. <i>Angewandte Chemie</i> , 2008 , 120, 4430-4433	3.6	69
562	Ruthenium-Catalyzed Oxidative Cross-Coupling of Chelating Arenes and Cycloalkanes. <i>Angewandte Chemie</i> , 2008 , 120, 6374-6378	3.6	65
561	Ruthenium-Catalyzed Cycloaddition of Nitrile Oxides and Alkynes: Practical Synthesis of Isoxazoles. <i>Angewandte Chemie</i> , 2008 , 120, 8409-8411	3.6	44
560	Ruthenium(III) complexes with N-(acetyl)-N'-(5-R-salicylidene)hydrazines: Syntheses, structures and properties. 2008 , 27, 655-662		20
559	Synthesis of chiral highly hindered cyclopentadienylruthenium compounds. <i>Journal of Organometallic Chemistry</i> , 2008 , 693, 781-786	2.3	0
558	Mechanistic theoretical insight of Ru(II) catalysts with a meridional/facial bpea fashion competition. 2008 , 458, 200-204		10
557	A new ruthenium complex with benz[<i>f</i>]indenyl ligand for living radical polymerization. 2008 , 44, 3264-3270		11
556	Cp*Ir-catalyzed N-alkylation of amines with alcohols. A versatile and atom economical method for the synthesis of amines. 2008 , 64, 1943-1954		267
555	Nickel-Catalyzed Cycloisomerization of Enynes: Catalyst Generation via C-H Activation of Carbene Ligands. 2008 , 64, 6870-6875		18
554	Functionalized cationic (16-arene)ruthenium(II) complexes for site-specific and covalent anchoring to papain from papaya latex. Synthesis, X-ray structures and reactivity studies. <i>Tetrahedron Letters</i> , 2008 , 49, 4670-4673	2	27
553	Highly efficient three-component (aldehyde/alkyne/amine) coupling reactions catalyzed by a reusable PS-supported NHCAg(I) under solvent-free reaction conditions. <i>Tetrahedron Letters</i> , 2008 , 49, 6650-6654	2	115
552	Synthesis of benzene ruthenium triazolato complexes by [3+2] cycloaddition reactions of activated alkynes and fumaronitrile to benzene ruthenium azido complexes. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3294-3300	2.7	16
551	Modelling NiFe hydrogenases: nickel-based electrocatalysts for hydrogen production. <i>Dalton Transactions</i> , 2008 , 315-25	4.3	129

550	Ruthenium catalyzed biomimetic oxidation in organic synthesis inspired by cytochrome P-450. 2008 , 37, 1490-501		379
549	Hydrotalcite-bound ruthenium as a multifunctional heterogeneous catalyst for one-pot synthesis of α -alkylated nitriles and quinolines. <i>Research on Chemical Intermediates</i> , 2008 , 34, 475-486	2.8	3
548	Polyoxometalate embedding of a tetraruthenium(IV)-oxo-core by template-directed metalation of $[\gamma\text{-SiW}_{10}\text{O}_{36}]^{8-}$: a totally inorganic oxygen-evolving catalyst. 2008 , 130, 5006-7		544
547	Organometallic clusters as precursors for metallic nanoparticles: effect of cluster size, ligand set, and decomposition method. 2008 , 24, 10427-31		5
546	Catalytic asymmetric epoxidation of limonene using manganese Schiff-base complexes immobilized in ionic liquids. 2008 , 9, 135-139		34
545	New polydentate ligand and catalytic properties of the corresponding ruthenium complex during sulfoxidation and alkene epoxidation. <i>Inorganic Chemistry</i> , 2008 , 47, 6413-20	5.1	20
544	Five-membered Rings with Other Elements. 2008 , 1243-1304		
543	Green chemistry for chemical synthesis. 2008 , 105, 13197-202		652
542	Copper-catalyzed coupling of tertiary aliphatic amines with terminal alkynes to propargylamines via C-H activation. <i>Journal of Organic Chemistry</i> , 2008 , 73, 3961-3	4.2	107
541	The aerobic oxidation of alcohols with a ruthenium porphyrin catalyst in organic and fluorinated solvents. 2008 , 6, 1961-5		20
540	New ruthenium(II) complexes with enantiomerically pure bis- and tris(pinene)-fused tridentate ligands. Synthesis, characterization and stereoisomeric analysis. <i>Inorganic Chemistry</i> , 2008 , 47, 8016-24	5.1	15
539	Ruthenium/TFA-catalyzed coupling of activated secondary propargylic alcohols with cyclic 1,3-diones: furan versus pyran ring formation. <i>Journal of Organic Chemistry</i> , 2008 , 73, 5852-8	4.2	55
538	Carbonyl-ruthenium substituted alpha-Keggin-tungstosilicate, $[\alpha\text{-SiW}_{11}\text{O}_{39}\text{Ru(II)(CO)}]^{6-}$: synthesis, structure, redox studies and reactivity. <i>Dalton Transactions</i> , 2008 , 6692-8	4.3	44
537	Multistep anchoring of a catalytically active ruthenium complex in porous mesostructured silica. <i>New Journal of Chemistry</i> , 2008 , 32, 727	3.6	19
536	Ruthenium-Catalyzed Alkenylative Cyclization via Insertion of Alkene into Ruthenacyclopentene. <i>Organometallics</i> , 2008 , 27, 6313-6320	3.8	21
535	Rate Studies on the Release of Terminal Alkynes from Indenylruthenium(II) Vinylidene Complexes. Implications on the Mechanism of η^1 -Vinylidene into η^2 -Alkyne Isomerization. <i>Organometallics</i> , 2008 , 27, 5009-5016	3.8	34
534	Triphenylphosphine Incorporation Reactions of Diynyl Complexes Containing a TpRu(NO) Fragment and Isomerization to Ruthenacyclobuta[b]naphthalene. <i>Organometallics</i> , 2008 , 27, 1227-1233	3.8	18
533	C-H bond activation of heteroarenes mediated by a half-sandwich iron complex of N-heterocyclic carbene. 2008 , 130, 17174-86		156

532	Density functional theory study of ruthenium (II)-catalyzed [2+2+2] cycloaddition of 1,6-diynes with tricarbonyl compounds. 2008 , 112, 8116-20		6
531	Synthesis, spectroscopic characterization and antibacterial sensitivity of some chloro dimethylsulfoxide/tetramethylenesulfoxide ruthenium(II) and ruthenium(III) complexes with 2-aminobenzothiazole. <i>Journal of Coordination Chemistry</i> , 2008 , 61, 441-449	1.6	9
530	Synthesis, Structure, and Reactivity of the Methoxy-Bridged Dimer [Cp [?] Ru(EDMe)] ₂ (Cp [?] = η -1-Methoxy-2,4-di-tert-butyl-3-neopentylcyclopentadienyl). <i>Organometallics</i> , 2008 , 27, 423-429	3.8	46
529	Efficient synthesis of 4'-cyclopropylated carbovir analogues with use of ring-closing metathesis from glycolate. 2008 , 27, 1186-96		7
528	Reusable Polymer-Anchored Amino Acid Copper Complex for the Synthesis of Propargylamines. 2008 , 2008, 538-541		3
527	A η -Keggin-type Dimeric Silicotungstate Sandwiching an Adamantanoid Tetra-nuclear Ruthenium-Oxygen Cluster Core. <i>Chemistry Letters</i> , 2008 , 37, 328-329	1.7	16
526	Ruthenium Carborane Complexes in Atom Transfer Radical Polymerization. 2009 , 115-125		10
525	Oxidations of Amines, Amides, Ethers, Sulfides, Phosphines, Arsines, Stibines and Miscellaneous Substrates. 2009 , 227-252		
524	Ruthenium-Catalyzed Oxidative Homo-Coupling of 2-Arylpyridines. 2009 , 351, 2071-2074		56
523	Semiconductor-Gold Nanocomposite Catalysts for the Efficient Three-Component Coupling of Aldehyde, Amine and Alkyne in Water. 2009 , 351, 2887-2896		51
522	Efficient Palladium-Catalyzed Oxidative Indolation of Allylic Compounds with DDQ via sp ³ C-H Bond Activation and Carbon-Carbon Bond Formation Under Mild Conditions. 2009 , 351, 2845-2849		54
521	Coupling of nitrogen heteroaromatics and alkanes without transition metals: a new oxidative cross-coupling at C-H/C-H bonds. <i>Chemistry - A European Journal</i> , 2009 , 15, 333-7	4.8	179
520	Iron-catalyzed ligand-free three-component coupling reactions of aldehydes, terminal alkynes, and amines. <i>Chemistry - A European Journal</i> , 2009 , 15, 2045-9	4.8	115
519	Mono- and multisite solid catalysts in cascade reactions for chemical process intensification. 2009 , 2, 500-6		66
518	Synthesis, Structure and Spectral, and Electrochemical Properties of New Mononuclear Ruthenium(III) Complexes of Tris[(benzimidazol-2-yl)methyl]amine: Role of Steric Hindrance in Tuning the Catalytic Oxidation Activity. 2009 , 2009, 3238-3249		22
517	2-Quinoxalinol Salen Copper Complexes for Oxidation of Aryl Methylens. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 503-509	3.2	27
516	Towards the Synthesis of 3-Silapiperidines. <i>European Journal of Organic Chemistry</i> , 2009 , 2009, 1674-1678	3.2	11
515	Reduction of nitroarenes followed by propanol group transfer from tris(3-hydroxypropyl)-amine and cyclization leading to quinolines under heterogeneous Pd/C catalysis. 2009 , 24, n/a-n/a		

514	N-Alkylation of carbamates and amides with alcohols catalyzed by a Cp*Ir complex. 2009 , 65, 3624-3628		60
513	Synthesis of polycyclic heterocycles via sequential Au-catalyzed cycloisomerization and Ru-catalyzed metathesis reactions. <i>Tetrahedron Letters</i> , 2009 , 50, 3719-3722	2	21
512	A Novel Transfer Hydrogenation with High Hydrogen Utilization for the Hydrogenation of Halogenated Nitrobenzene without Hydrodehalogenation. 2009 , 132, 16-21		18
511	Catalytic and antimicrobial studies of binuclear ruthenium(III) complexes containing bis- β -diketones. 2009 , 34, 437-445		35
510	Cyclic voltammetry, convolutive voltammetry, chronopotentiometry and digital simulation studies of [Pt(C ₆ H ₅) ₂ (dppe) ₂ Ir(CO) ₂]+PF ₆ ⁻ complex. 2009 , 54, 3801-3807		1
509	Relative stability of half-sandwich η^6 -benzene Ru(II) complexes of tridentate (2-pyridyl)alkylamine ligands of varying chelate ring-size: Nucleophilic addition of hydride ion onto the benzene ring. <i>Inorganica Chimica Acta</i> , 2009 , 362, 483-490	2.7	11
508	Synthesis of diversely functionalized pyrrolizidines and indolizidines using olefin ring-closing metathesis. 2009 , 65, 4846-4854		27
507	InBr ₃ -catalyzed three-component reaction: a facile synthesis of propargyl amines. <i>Tetrahedron Letters</i> , 2009 , 50, 3493-3496	2	49
506	The ultrasound-assisted oxidative scission of monoenic fatty acids by ruthenium tetroxide catalysis: influence of the mixture of solvents. 2009 , 16, 266-72		32
505	Synthesis of N-functionalized 2,2'-dipyridylamine ligands, complexation to ruthenium (II) and anchoring of complexes to papain from papaya latex. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 937-941	2.3	14
504	Half sandwich complexes of Ru(II) and complexes of Pd(II) and Pt(II) with seleno and thio derivatives of pyrrolidine: Synthesis, structure and applications as catalysts for organic reactions. <i>Journal of Organometallic Chemistry</i> , 2009 , 694, 3872-3880	2.3	40
503	Synthesis, characterization and crystal structure of a novel Os(II)-supported tungstoarsenate [HAsW ₇ O ₂₈ Os(dmsO) ₃] ₆ ·20H ₂ O. 2009 , 182, 83-88		16
502	Synthesis and crystal structure of Ru(III)-supported tungstoantimonate [Sb ₂ W ₂₀ Ru(III) ₂ (H ₂ O) ₂ (dmsO) ₆ O ₆₈] ₄ ·20H ₂ O. 2009 , 182, 1401-1407		28
501	Ruthenium and enzyme-catalyzed dynamic kinetic resolution of alcohols. 2009 , 12, 951-962		23
500	Ru(salophen)Cl supported on polystyrene-bound imidazole: An efficient and robust heterogeneous catalyst for epoxidation of alkenes with sodium periodate. <i>Applied Catalysis A: General</i> , 2009 , 370, 66-71	5.1	33
499	Oxidation of nitric oxide to nitrogen dioxide over Ru catalysts. 2009 , 88, 224-231		69
498	N-CN bond cleavage of cyanamides by a transition-metal complex. 2009 , 131, 38-9		79
497	Oxidation of Alkenes, Arenes and Alkynes. 2009 , 173-213		

496	Ruthenium-Catalyzed Cyclodimerization of Allenynes. <i>Organometallics</i> , 2009 , 28, 669-671	3.8	29
495	Ruthenium-catalyzed [2 + 2] cycloaddition of allenynes leading to a bicyclo[4.2.0]octa-1(8),5-diene skeleton. <i>Organic Letters</i> , 2009 , 11, 4124-6	6.2	47
494	Formation of Stable trans-Dihydride Ruthenium(II) and 16-Electron Ruthenium(0) Complexes Based on Phosphinite PONOP Pincer Ligands. Reactivity toward Water and Electrophiles. <i>Organometallics</i> , 2009 , 28, 4791-4806	3.8	79
493	Reactivity of the Ruthenium Hydride Complex [Ru{ β -H,S,S-HB(mt) ₃ }H(PPh ₃) ₂] (HB(mt) ₃ = hydrotris(methimazolyl)borate): Catalytic Dimerization of 1-Alkynes and Proton Transfer Reactions. <i>Organometallics</i> , 2009 , 28, 2787-2798	3.8	31
492	A Simple and Economic Synthesis of Propargylamines by CuI-Catalyzed Three-Component Coupling Reaction with Succinic Acid as Additive. 2009 , 62, 75		26
491	Nitrogen-atom transfer from [PW ₁₁ O ₃₉ Ru(VI)N]4- to PPh ₃ . <i>Inorganic Chemistry</i> , 2009 , 48, 9436-43	5.1	17
490	Metalloporphyrin-based oxidation systems: from biomimetic reactions to application in organic synthesis. <i>Chemical Communications</i> , 2009 , 3996-4015	5.8	177
489	Organo-ruthenium supported heteropolytungstates: synthesis, structure, electrochemistry, and oxidation catalysis. <i>Inorganic Chemistry</i> , 2009 , 48, 10068-77	5.1	63
488	Cross-dehydrogenative coupling (CDC): exploring C-C bond formations beyond functional group transformations. 2009 , 42, 335-44		2261
487	Sc(OTf) ₃ -catalyzed direct alkylation of quinolines and pyridines with alkanes. <i>Organic Letters</i> , 2009 , 11, 1171-4	6.2	145
486	Origin of the High Activity of Porous Carbon-Coated Platinum Nanoparticles for Aerobic Oxidation of Alcohols. 2009 , 113, 12799-12805		19
485	The Chemistry of Ruthenium Oxidation Complexes. 2009 , 1-134		1
484	C-C bond formation via C-H bond activation using an in situ-generated ruthenium catalyst. 2009 , 131, 7887-95		127
483	Indium-catalyzed highly efficient three-component coupling of aldehyde, alkyne, and amine via C-H bond activation. <i>Journal of Organic Chemistry</i> , 2009 , 74, 4364-7	4.2	151
482	Palladium catalyzed isomerization of alkenes: a pronounced influence of an o-phenol hydroxyl group. 2009 , 7, 3168		33
481	"Microencapsulated" and related catalysts for organic chemistry and organic synthesis. <i>Chemical Reviews</i> , 2009 , 109, 594-642	68.1	198
480	Heteroleptic arene ruthenium complexes based on meso-substituted dipyrins: synthesis, structure, reactivity, and electrochemical studies. <i>Inorganic Chemistry</i> , 2009 , 48, 7593-603	5.1	41
479	An alternative mechanism to explain the ruthenium(II)-catalyzed [2 + 2 + 2] cycloaddition of 1,6-diynes and tricarbonyl compounds. 2009 , 113, 9180-4		4

478	The intramolecular sp ² and sp ³ C-H bond activation of (p-cymene)ruthenium(II) N-heterocyclic carbene complexes. <i>Dalton Transactions</i> , 2009 , 5182-9	4.3	36
477	Grubbs' ruthenium-carbenes beyond the metathesis reaction: less conventional non-metathetic utility. <i>Chemical Reviews</i> , 2009 , 109, 3817-58	68.1	283
476	Constrained-geometry ruthenium carboranyl complexes and their unique chemical properties. <i>Chemical Communications</i> , 2009 , 2431-45	5.8	38
475	An organo-ruthenium grafted zinc-substituted tungstoarsenate. 2009 , 11, 1532		23
474	Synthesis, structure, and electrochemistry of mer[RuCl ₃ (DMSO) ₂](DMSO)(py)]. <i>Journal of Coordination Chemistry</i> , 2009 , 62, 3745-3753	1.6	6
473	CAPACITORS Electrochemical Metal Oxides Capacitors. 2009 , 665-678		2
472	Synthesis of Piperazine Derivatives by Cp*Ir Complex-Catalyzed N-Alkylative Reactions of Ethanolamines. 2009 , 77, 1371		10
471	Methane Conversion Homogeneous. 2010 ,		
470	In situ generated bulky palladium hydride complexes as catalysts for the efficient isomerization of olefins. Selective transformation of terminal alkenes to 2-alkenes. 2010 , 132, 7998-8009		168
469	Hydrogen autotransfer in the N-alkylation of amines and related compounds using alcohols and amines as electrophiles. <i>Chemical Reviews</i> , 2010 , 110, 1611-41	68.1	967
468	Manganese-catalyzed direct oxidation of methyl ethers to ketones. 2010 , 5, 486-9		10
467	Catalyst-controlled ring-opening cycloisomerization reactions of cyclopropenyl carboxylates for highly regioselective synthesis of different 2-alkoxyfurans. 2010 , 5, 2415-21		48
466	Amination of Aliphatic Alcohols and Diols with an Iridium Pincer Catalyst. <i>ChemCatChem</i> , 2010 , 2, 640-643	3.2	79
465	The new arsine ruthenium(III) complex with pyrazole ligand. 2010 , 21, 637-641		4
464	Synthetic, Spectral, Structural, and Catalytic Aspects of Some Piano-Stool Complexes Containing 2-(2-Diphenylphosphanylethyl)pyridine. 2010 , 2010, 704-715		20
463	Nickel-Catalyzed Solvent-Free Three-Component Coupling of Aldehyde, Alkyne and Amine. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 411-415	3.2	91
462	Simple RuCl ₃ -Catalyzed Amide Synthesis from Alcohols and Amines. <i>European Journal of Organic Chemistry</i> , 2010 , 2010, 4266-4270	3.2	71
461	Modern Oxidation of Alcohols Using Environmentally Benign Oxidants. 2010 , 147-185		37

460	Ruthenium-Catalyzed Oxidation for Organic Synthesis. 2010 , 241-275		7
459	Transition Metal-Catalyzed Synthesis of Monocyclic Five-Membered Aromatic Heterocycles. 2010 , 227-316		4
458	ChemInform Abstract: Ruthenium-Catalyzed Reactions for Organic Synthesis. 2010 , 30, no-no		
457	Ruthenium-catalyzed alkylation of indoles with tertiary amines by oxidation of a sp ³ C-H bond and Lewis acid catalysis. <i>Chemistry - A European Journal</i> , 2010 , 16, 5723-35	4.8	97
456	Propargyl amine synthesis catalysed by gold and copper thin films by using microwave-assisted continuous-flow organic synthesis (MACOS). <i>Chemistry - A European Journal</i> , 2010 , 16, 126-33	4.8	106
455	Efficient microwave-assisted synthesis of secondary alkylpropargylamines by using A ³ -coupling with primary aliphatic amines. <i>Chemistry - A European Journal</i> , 2010 , 16, 3281-4	4.8	92
454	Gold Nanoparticles Embedded in a Mesoporous Carbon Nitride Stabilizer for Highly Efficient Three-Component Coupling Reaction. <i>Angewandte Chemie</i> , 2010 , 122, 6097-6101	3.6	54
453	Gold nanoparticles embedded in a mesoporous carbon nitride stabilizer for highly efficient three-component coupling reaction. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5961-5	16.4	301
452	Copper-catalyzed one-pot synthesis of propargylamines via C-H activation in PEG. 2010 , 24, 809-812		34
451	Novel neutral phosphinite bridged dinuclear ruthenium(II) arene complexes and their catalytic use in transfer hydrogenation of aromatic ketones: X-ray structure of a new Schiff base, N ₃ N ₃ -di-2-hydroxybenzylidene-[2,2']bipyridinyl-3,3'-diamine. 2010 , 326, 75-81		40
450	Synthesis, crystal structure and catalytic activity of ruthenium(II) carbonyl complexes containing ONO and ONS donor ligands. 2010 , 29, 1175-1181		48
449	Silica supported Ru(salophen)Cl: An efficient and robust heterogeneous catalyst for epoxidation of alkenes with sodium periodate. 2010 , 29, 2953-2958		14
448	Synthesis and characterisation of novel ruthenium multi-substituted polyoxometalates: $[Ru_9O_{37}Ru_4(H_2O)_3Cl_3]^{7-}$. 2010 , 29, 3066-3073		18
447	Synthesis, characterisation and theoretical studies on some piano-stool ruthenium and rhodium complexes containing substituted phenyl imidazole ligands. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 567-573	2.3	28
446	$[(\eta^6-C_6H_6)Ru(II)(Cl/N_3/CN/CH_3CN)]^{+2}$ complexes of non-planar pyrazolylmethylpyridine ligands: Formation of helices due to C π ?X (X = Cl, N) interaction. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 1753-1760	2.3	9
445	Synthesis and characterization of Ru(IV) and Rh(I) complexes containing phenylimidazole ligands. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 1924-1931	2.3	6
444	Preparation and reactivity of p-cymene complexes of ruthenium and osmium incorporating 1,3-triazene ligands. <i>Journal of Organometallic Chemistry</i> , 2010 , 695, 2142-2152	2.3	29
443	Selective photochemical monoalkylation of active methylene compounds by alkenes. A green pathway for carbon-carbon bond formation. 2010 , 214, 161-170		8

442	Atom-economic transformations of propargylic alcohols catalyzed by the 16-electron allyl-ruthenium(II) complex [Ru(η -2-C ₃ H ₄ Me)(CO)(dppf)][SbF ₆] (dppf = 1,1'-bis(diphenylphosphino)ferrocene). <i>Inorganica Chimica Acta</i> , 2010 , 363, 1912-1934	2.7	14
441	The C \equiv N coupling reaction of pendant naphthyl group of palladium(II) complexes of 1-alkyl-2-(naphthyl- β -azo)imidazoles. Structural characterization, spectral and redox properties, and correlation with DFT computed data. <i>Inorganica Chimica Acta</i> , 2010 , 363, 831-840	2.7	9
440	Cycloruthenated complexes as homogeneous catalysts for atom-transfer radical additions. <i>Tetrahedron Letters</i> , 2010 , 51, 822-825	2	7
439	Magnetically separable Fe ₃ O ₄ nanoparticles: an efficient catalyst for the synthesis of propargylamines. <i>Tetrahedron Letters</i> , 2010 , 51, 1891-1895	2	119
438	Catalytic oxidative cleavage of olefins by RuO ₄ organic solvent-free under ultrasonic irradiation. <i>Tetrahedron Letters</i> , 2010 , 51, 3123-3126	2	34
437	Metal-free oxidative C \equiv C bond formation of active methylenic sp ³ C \equiv H bonds with benzylic sp ³ C \equiv H and allylic sp ³ C \equiv H bonds mediated by DDQ. <i>Tetrahedron Letters</i> , 2010 , 51, 4898-4903	2	28
436	An efficient and facile one-pot synthesis of propargylamines by three-component coupling of aldehydes, amines, and alkynes via C \equiv H activation catalyzed by NiCl ₂ . <i>Tetrahedron Letters</i> , 2010 , 51, 5555-5558	2	117
435	The effectiveness of ruthenium(II) complexes and ruthenium trichloride as pre-catalysts in solvent-free isomerization of model alkyl allyl ether. <i>Applied Catalysis A: General</i> , 2010 , 377, 27-34	5.1	9
434	Synthesis, characterization, and catalytic applications of Ru(III) complexes containing N-[di(alkyl/aryl)carbamothioyl]benzamide derivatives and triphenylphosphine/triphenylarsine. 2010 , 13, 952-955		42
433	An efficient organocatalytic method for constructing biaryls through aromatic C-H activation. 2010 , 2, 1044-9		544
432	Synthesis of fluorinated lactams via cycloisomerization of gem-difluoropropargyl amides. <i>Beilstein Journal of Organic Chemistry</i> , 2010 , 6, 48	2.5	5
431	Methyl 1-benzyl-1H-1,2,3-triazole-4-carboxyl-ate. 2010 , 66, 01690		3
430	Chapter 7:Hydrogenation and Related Reactions. 361-439		
429	DDQ-Mediated Tandem Synthesis of Functionalized Pyranocoumarins from 4-Hydroxycoumarins and 1,3-Diaryllallylic Compounds. 2010 , 81, 965		20
428	Oxidation of toluidine blue by chlorite in acid and mechanisms of the uncatalyzed and Ru(III)-catalyzed reactions: a kinetic approach. 2010 , 114, 12162-7		2
427	CuCl/CCL(4)-promoted convenient synthesis of sulfonyl amidines from tertiary amines and sulfonyl azides. <i>Organic Letters</i> , 2010 , 12, 897-9	6.2	53
426	Preparation of Cp-Functionalized N-Heterocyclic Carbene Complexes of Ruthenium. Resolution of Chiral Complexes and Catalytic Studies. <i>Organometallics</i> , 2010 , 29, 1832-1838	3.8	49
425	Rhenium hydride/boron Lewis acid cocatalysis of alkene hydrogenations: activities comparable to those of precious metal systems. 2010 , 132, 18233-47		41

424	Metal-catalyzed transformations of propargylic alcohols into alpha,beta-unsaturated carbonyl compounds: from the Meyer-Schuster and Rupe rearrangements to redox isomerizations. <i>Dalton Transactions</i> , 2010 , 39, 4015-31	4.3	137
423	Simple and versatile catalytic system for N-alkylation of sulfonamides with various alcohols. <i>Organic Letters</i> , 2010 , 12, 1336-9	6.2	92
422	Ruthenium(III) tetradentate Schiff-base complexes: spectral, catalytic, and its biocidal efficacy. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 1795-1806	1.6	10
421	Highly efficient oxidative carbon-carbon coupling with SBA-15-support iron terpyridine catalyst. <i>Chemical Communications</i> , 2010 , 46, 2739-41	5.8	142
420	Aqueous iodine(III)-mediated stereoselective oxidative cyclization for the synthesis of functionalized fused dihydrofuran derivatives. <i>Journal of Organic Chemistry</i> , 2010 , 75, 1760-3	4.2	53
419	Synthesis of 2-hydroxymethyl ketones by ruthenium hydride-catalyzed cross-coupling reaction of alpha,beta-unsaturated aldehydes with primary alcohols. <i>Organic Letters</i> , 2010 , 12, 1-3	6.2	58
418	Carbon-Hydrogen Bond Cleavage Reaction in 5-Coordinate Bis(2,6-dimethylbenzenethiolato)ruthenium(II) Complexes. <i>Organometallics</i> , 2010 , 29, 3146-3159	3.8	9
417	Multialkylation of aqueous ammonia with alcohols catalyzed by water-soluble Cp*Ir-ammine complexes. 2010 , 132, 15108-11		229
416	Tetradentate Schiff-base ruthenium(III) complexes containing triphenylphosphine/arsine as coligands: study of physico-chemical, spectrometric, catalytic, and biocidal activities. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 1440-1450	1.6	7
415	Recent Progress of New Catalytic Synthetic Methods for Nitrogen Heterocycles Based on Hydrogen Transfer Reactions. 2010 , 81, 1093		93
414	Ruthenium(III) chalconate complexes containing PPh ₃ /AsPh ₃ and their use as catalysts. <i>Journal of Coordination Chemistry</i> , 2010 , 63, 3833-3848	1.6	9
413	Dehydrogenation as a substrate-activating strategy in homogeneous transition-metal catalysis. <i>Chemical Reviews</i> , 2010 , 110, 681-703	68.1	1274
412	Liquid phase hydrogenation of olefins using heterogenized ruthenium complexes as high active and reusable catalyst. 2010 , 11, 487-492		9
411	New Ru(II) complexes with anionic and neutral N-donor ligands as epoxidation catalysts: an evaluation of geometrical and electronic effects. <i>Inorganic Chemistry</i> , 2010 , 49, 7072-9	5.1	36
410	Mononuclear Ruthenium Catalysis. 2010 ,		
409	Substituted Cyclopentadienyl Osmium Complexes from the Reactions of OsH ₃ Cl(PPh ₃) ₃ with Fulvenes and Cyclopentadienes. <i>Organometallics</i> , 2010 , 29, 3571-3581	3.8	13
408	Iron-promoted synthesis of substituted 1-halo-1,4-pentadienes by reaction of 1,3-diarylpropenes with ethynylbenzenes via sp ³ C-H bond activation. <i>Journal of Organic Chemistry</i> , 2010 , 75, 4856-9	4.2	13
407	Stereoselective Ir(III)-catalyzed dimerization reaction of enynes: an entry to functionalized polyunsaturated and cyclic systems. <i>Chemical Communications</i> , 2010 , 46, 6332-4	5.8	18

406	Synthesis, electrochemical and photophysical properties of heterodinuclear Ru-Mn and Ru-Zn complexes bearing ambident Schiff base ligand. <i>Dalton Transactions</i> , 2010 , 39, 5650-7	4.3	8
405	Ruthenium(II) N,S-heterocyclic carbene complexes and transfer hydrogenation of ketones. <i>Dalton Transactions</i> , 2010 , 39, 10179-85	4.3	38
404	Palladium-catalyzed desulfitative C-H arylation of azoles with sodium sulfinates. 2011 , 9, 7675-9		94
403	Ruthenium-catalyzed intramolecular carbocyclization of alkynes with an sp ³ carbon involving an oxidative deprotonation process. 2011 , 2, 2131		25
402	A recyclable polymer-supported ruthenium catalyst for the oxidative degradation of bisphenol A in water using hydrogen peroxide. <i>New Journal of Chemistry</i> , 2011 , 35, 149-155	3.6	15
401	Silver cluster-promoted heterogeneous copper catalyst for N-alkylation of amines with alcohols. 2011 , 1, 1310		57
400	Using alcohols as alkylation reagents for 4-cyanopyridinium and N,N'-dialkyl-4,4'-bipyridinium and their one-dimensional iodoplumbates. 2011 , 13, 243-250		58
399	Acceptor Pincer Chemistry of Ruthenium: Catalytic Alkane Dehydrogenation by (CF ₃ PCP)Ru(cod)(H). <i>Organometallics</i> , 2011 , 30, 5133-5140	3.8	71
398	Silylative Coupling of Terminal Alkynes with Iodosilanes: New Catalytic Activation of sp-Hybridized Carbon-Hydrogen Bonds. <i>Organometallics</i> , 2011 , 30, 2539-2545	3.8	20
397	Modulating the Steric, Electronic, and Catalytic Properties of Cp* Ruthenium Half-Sandwich Complexes with β -Diketiminato Ligands. <i>Organometallics</i> , 2011 , 30, 6119-6132	3.8	25
396	A reactive Ru-binaphtholate building block with self-tuning hapticity. 2011 , 133, 14054-62		8
395	Reactions in Sacrificial Solvents. <i>Catalysis Science and Technology</i> , 2011 , 1, 1572	5.5	37
394	Radicals in transition metal catalyzed reactions? transition metal catalyzed radical reactions? - a fruitful interplay anyway: part 2. Radical catalysis by group 8 and 9 elements. 2012 , 320, 191-322		50
393	Pincer-type Pyridine-Based N-Heterocyclic Carbene Amine Ru(II) Complexes as Efficient Catalysts for Hydrogen Transfer Reactions. <i>Organometallics</i> , 2011 , 30, 2180-2188	3.8	83
392	Discovery and mechanistic studies of a general air-promoted metal-catalyzed aerobic N-alkylation reaction of amides and amines with alcohols. <i>Journal of Organic Chemistry</i> , 2011 , 76, 5759-73	4.2	75
391	Palladium-catalyzed oxidative sp ² C-H bond acylation with alcohols. <i>Organic Letters</i> , 2011 , 13, 1614-7	6.2	152
390	Manganese dioxide catalyzed N-alkylation of sulfonamides and amines with alcohols under air. <i>Organic Letters</i> , 2011 , 13, 6184-7	6.2	101
389	Tungsten and molybdenum catalyst-mediated cyclisation of N-propargyl amides. 2011 , 9, 4429-31		41

- 388 Facile regio- and stereoselective hydrometalation of alkynes with a combination of carboxylic acids and group 10 transition metal complexes: selective hydrogenation of alkynes with formic acid. **2011**, 133, 17037-44 183
- 387 Electronic structure of oxidized complexes derived from cis-[Ru(II)(bpy)₂(H₂O)₂]²⁺ and its photoisomerization mechanism. *Inorganic Chemistry*, **2011**, 50, 11134-42 5.1 58
- 386 A Highly Active and Robust Solid-Supported Polypyridylruthenium(II) Catalyst for the Oxidation of Alcohols and Alkenes by Cerium(IV) and Periodate in Water. **2011**, 50, 12288-12292 7
- 385 Group 8 Metals-Catalyzed O-H Bond Addition to Unsaturated Molecules. **2011**, 203-230 22
- 384 Rhodium-catalyzed C-H activation and conjugate addition under mild conditions. **2011**, 9, 7176-9 82
- 383 New Catalytic Performances of Ruthenium and Rhodium Complexes Directed toward Organic Synthesis with High Atom Efficiency. **2011**, 84, 441-458 26
- 382 Transition metal catalyzed manipulation of non-polar carbon-hydrogen bonds for synthetic purpose. **2011**, 87, 230-41 7
- 381 Development of biomimetic catalytic oxidation methods and non-salt methods using transition metal-based acid and base ambiphilic catalysts. **2011**, 87, 242-53 8
- 380 Propargylic amines constructed via copper-catalyzed three-component coupling of terminal alkynes, benzal halides and amines. *Tetrahedron Letters*, **2011**, 52, 4967-4970 2 26
- 379 Fe (III) complexes of a bis-benzimidazolyl diamide ligand: spectral and catalytic studies. **2011**, 83, 180-6 2
- 378 Nanosize Co₃O₄ as a novel, robust, efficient and recyclable catalyst for A³-coupling reaction of propargylamines. **2011**, 16, 114-119 37
- 377 Direct C-H transformation via iron catalysis. *Chemical Reviews*, **2011**, 111, 1293-314 68.1 1754
- 376 Chapter 12: Metal Complex of Hydrogenase Active Sites. **2011**, 326-386 4
- 375 Syntheses and structures of ruthenium(II) N,S-heterocyclic carbene diphosphine complexes and their catalytic activity towards transfer hydrogenation. **2011**, 6, 1485-91 10
- 374 Ruthenium(II) carbonyl complexes containing chalconates and triphenylphosphine/arsine. **2011**, 123, 567-576 15
- 373 Osmium-free direct syn-dihydroxylation of alkenes. **2011**, 40, 114-28 170
- 372 Synthesis, structure, catalytic and calculated non-linear optical properties of cis- and trans-mer-chlorobis(triphenyl phosphine/triphenyl arsine)-dipicolinato ruthenium(II) complexes. **2011**, 994, 29-38 13
- 371 Oxidation of sec-alcohols with Ru(II)-bearing microgel star polymer catalysts via hydrogen transfer reaction: Unique microgel-core catalysis. **2011**, 49, 1061-1069 28

- 370 Ruthenium-catalyzed cyclizations of enynes via a ruthenacyclopentene intermediate: development of three novel cyclizations controlled by a substituent on alkyne of enyne. **2011**, 11, 186-98 29
- 369 A Novel Carbene Ruthenium Complex as Reusable and Selective Two-Electron Catalyst for Alkene Epoxidation. **2011**, 353, 231-238 19
- 368 Copper-Catalyzed Three-Component Coupling of Terminal Alkyne, Dihalomethane and Amine to Propargylic Amines. **2011**, 353, 163-169 45
- 367 N-Alkylation of Amines with Alcohols Catalyzed by a Water-Soluble Cp*Iridium Complex: An Efficient Method for the Synthesis of Amines in Aqueous Media. **2011**, 353, 1161-1168 192
- 366 Grignard-Type Arylation of Aldehydes via a Rhodium-Catalyzed C-H Activation under Mild Conditions. **2011**, 353, 1269-1273 136
- 365 Preparation of Pyrazole-Pyrazolate Half-Sandwich Complexes of Ruthenium and Osmium. **2011**, 2011, 510-520 14
- 364 Efficient synthetic protocols in glycerol under heterogeneous catalysis. **2011**, 4, 1130-4 54
- 363 Ru(II) xantphos complex as an efficient catalyst in transfer hydrogenation of carbonyl compounds. **2011**, 14, 1161-1164 15
- 362 Potential rhodium and ruthenium carbonyl complexes of phosphine-chalcogen (P-O/S/Se) donor ligands and catalytic applications. **2011**, 255, 1686-1712 56
- 361 RuO₄-catalyzed oxidation reactions of isoxazolino-2-azanobornane derivatives: a short-cut synthesis of tricyclic lactams and peptidomimetic α -amino acids. **2011**, 67, 1907-1914 12
- 360 Nano indium oxide catalyzed efficient synthesis of propargylamines via C-H and C-I bond activations. *Tetrahedron Letters*, **2011**, 52, 4437-4439 2 56
- 359 Synthesis, structural, and spectral characterization of Keggin-type mono cobalt(II)-substituted phosphotungstate. *Journal of Coordination Chemistry*, **2011**, 64, 4016-4028 1.6 23
- 358 Contrasting Reactivity of 2-Mesityl-1,8-Naphthyridine (Mes-NP) with Singly-Bonded [RhII/RhIII] and [RuII/RuIII] Compounds. **2011**, 64, 583 7
- 357 Nano-gold catalysis in fine chemical synthesis. *Chemical Reviews*, **2012**, 112, 2467-505 68.1 566
- 356 An Indium(III)-Catalyzed Synthesis of 4,4-Dichloro-1-aryl-N-alkyl-1-yn-3-amines via an Intermolecular C(sp²)-C(sp) Bond Formation. **2012**, 354, 3461-3467 13
- 355 Ruthenium complexation in an aluminium metal-organic framework and its application in alcohol oxidation catalysis. *Chemistry - A European Journal*, **2012**, 18, 15337-44 4.8 96
- 354 Hydrothermal and solid-state transformation of ruthenium-supported Keggin-type heteropolytungstates [XW₁₁O₃₉{Ru(II)(benzene)(H₂O)}]_n- (X = P (n = 5), Si (n = 6), Ge (n = 6)) to ruthenium-substituted Keggin-type heteropolytungstates. *Dalton Transactions*, **2012**, 41, 9901-7 4.3 31
- 353 Silver supramolecule catalyzed multicomponent reactions under mild conditions. *Dalton Transactions*, **2012**, 41, 5889-96 4.3 46

352	Efficient iron(III)-catalyzed three-component coupling reaction of alkynes, CH ₂ Cl ₂ and amines to propargylamines. <i>Chemical Communications</i> , 2012 , 48, 2024-6	5.8	43
351	Use of Pyridine-Coated Star-Shaped ROMP Polymer As the Supporting Ligand for Ruthenium-Catalyzed Chemoselective Hydrogen Transfer Reduction of Ketones. <i>Organometallics</i> , 2012 , 31, 5074-5080	3.8	19
350	Mechanism of alkene isomerization by bifunctional ruthenium catalyst: A theoretical study. <i>Journal of Organometallic Chemistry</i> , 2012 , 698, 1-6	2.3	22
349	Neutral p-cymene ruthenium complexes with P-stereogenic monophosphines. New catalytic precursors in enantioselective transfer hydrogenation and cyclopropanation. <i>Journal of Organometallic Chemistry</i> , 2012 , 696, 4221-4228	2.3	29
348	Cationic arene ruthenium(II) complexes bearing N, S chelating thiocarboxamides: Synthesis, structure, characterization and catalytic oxidation of alcohols. <i>Journal of Organometallic Chemistry</i> , 2012 , 699, 5-11	2.3	22
347	Synthesis and structure of [Ru(dppe) ₂ (CH ₃ CN)Cl][BPh ₄] and its catalytic application to anti-Markovnikov addition of carboxylic acids to terminal alkynes. <i>Journal of Organometallic Chemistry</i> , 2012 , 700, 78-82	2.3	23
346	Unprecedented oxidation of half-sandwiched ruthenium(II) in the excess of ammonium hexafluorophosphate and formation of nanosized RuRu ₂ . <i>Journal of Organometallic Chemistry</i> , 2012 , 715, 33-38	2.3	1
345	Ru(II) Carbonyl complexes of naphthylazoimidazoles: Synthesis, spectra, electrochemistry, catalytic activity and electronic structure. <i>Journal of Organometallic Chemistry</i> , 2012 , 716, 129-137	2.3	22
344	Connecting ruthenium substituted Keggin-type tungstophosphates by oxotungstic bridges: Evidence for the steric effect of {RuL ₃ } ₂ ⁺ (L ₃ =b-arene, (DMSO) ₃) fragments. 2012 , 15, 135-142		13
343	Coupling of two multistep catalytic cycles for the one-pot synthesis of propargylamines from alcohols and primary amines on a nanoparticulated gold catalyst. <i>Chemistry - A European Journal</i> , 2012 , 18, 14150-6	4.8	41
342	Ruthenium(II) Arene Complexes with Asymmetrical Guanidinate Ligands: Synthesis, Characterization, and Application in the Base-Free Catalytic Isomerization of Allylic Alcohols. <i>Organometallics</i> , 2012 , 31, 8301-8311	3.8	38
341	Cobalt-catalyzed alkyne-iodomethane-amine coupling: an efficient route for propargylamines. <i>Tetrahedron Letters</i> , 2012 , 53, 6199-6201	2	18
340	One-step entry to olefin-tethered N,S-heterocyclic carbene complexes of ruthenium with mixed ligands. <i>Dalton Transactions</i> , 2012 , 41, 5988-94	4.3	14
339	The chemoselective reduction of isoxazoline α -lactams through iminium Aza-Diels-Alder reactions: a short-cut synthesis of aminols as valuable intermediates towards nucleoside derivatives. 2012 , 2012, 643647		
338	Microgel-Core Star Polymers as Functional Compartments for Catalysis and Molecular Recognition. 2012 , 65-80		15
337	Chiral Diphosphane- and NHC-Containing Ruthenium Catalysts for the Catalytic Asymmetric Arylation of Aldehydes with Organoboron Reagents. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 4232-4239	3.2	17
336	Photocatalyzed sulfide oxygenation with water as the unique oxygen atom source. <i>Inorganic Chemistry</i> , 2012 , 51, 2222-30	5.1	56
335	Surface chemistry of ruthenium dioxide in heterogeneous catalysis and electrocatalysis: from fundamental to applied research. <i>Chemical Reviews</i> , 2012 , 112, 3356-426	68.1	484

334	Well-defined (N-heterocyclic carbene)-Ag(I) complexes as catalysts for A3 reactions. 2012 , 10, 2206-8		46
333	Luminescent Organogold(III) Complexes with Long-Lived Triplet Excited States for Light-Induced Oxidative C-H Bond Functionalization and Hydrogen Production. <i>Angewandte Chemie</i> , 2012 , 124, 2708-2711	3.6	52
332	Luminescent organogold(III) complexes with long-lived triplet excited states for light-induced oxidative C-H bond functionalization and hydrogen production. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 2654-7	16.4	183
331	Synthesis of functional acetylene derivatives from calcium carbide. 2012 , 5, 625-8		62
330	Regioselective Intramolecular Arylthiolations by Ligand Free Cu and Pd Catalyzed Reaction. 2012 , 2, 544-551		63
329	Allylic ruthenium(IV) complexes in catalysis. 2012 , 256, 525-536		47
328	Ionic crystals based on Keggin anion and mixed-valent diruthenium tetracetate: [Ru ₂ (CH ₃ COO) ₄ (H ₂ O) ₂] ₂ [H _n XW ₁₂ O ₄₀] ₂ [Ru ₂ (CH ₃ COO) ₄ (H ₂ O)Cl] ₂ ·2H ₂ O (X=F, B, Si, Ge). 2012 , 14, 611-615		4
327	RuCl ₃ /SnCl ₂ mediated synthesis of pyrrolo[2,3-c]carbazoles and consequent preparation of indolo[2,3-c]carbazoles. 2012 , 68, 2453-2458		12
326	Synthesis, characterization and catalytic property of ruthenium terpyridyl complexes. 2012 , 31, 227-234		9
325	Synthesis and structures of ruthenium(III) complexes with 4-R-2-((2-(pyridin-2-yl)hydrazono)methyl)phenol. 2012 , 33, 52-59		12
324	Ruthenium-Catalyzed Regioselective Cyclization of Aromatic Ketones with Alkynes: An Efficient Route to Indenols and Benzofulvenes. <i>European Journal of Organic Chemistry</i> , 2012 , 2012, 417-423	3.2	87
323	Palladium-Catalyzed Direct and Site-Selective Desulfitative Arylation of Indoles with Sodium Sulfinates. 2012 , 354, 335-340		100
322	New, Highly Efficient, Simple, Safe, and Scalable Synthesis of [(Ph ₃ P) ₃ Ru(CO)(H) ₂]. <i>Organometallics</i> , 2013 , 32, 4440-4443	3.8	22
321	A Ligand-free Copper-promoted Dimerization of Perylene Bisimide by Aromatic C-C Homocoupling and C-H Activation. <i>Asian Journal of Organic Chemistry</i> , 2013 , 2, 558-560	3	6
320	Asymmetric auto-tandem catalysis with a planar-chiral ruthenium complex: sequential allylic amidation and atom-transfer radical cyclization. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 4897-901	16.4	74
319	A convenient route for the preparation of the monohydride catalyst trans-[RuCl(H)(dppe) ₂] (dppe=Ph ₂ PCH ₂ CH ₂ PPh ₂): Improved synthesis and crystal structure. 2013 , 29, 123-127		3
318	Ruthenium(VIII) Oxide. 2013 ,		1
317	Ruthenium(III) Chloride. 2013 ,		

316	Unprecedented ortho-acylation of azoxybenzenes with α -oxocarboxylic acids by Pd-catalyzed C-H activation and decarboxylation. <i>Chemical Communications</i> , 2013 , 49, 9170-2	5.8	116
315	Nickel-catalyzed three-component coupling reaction of terminal alkynes, dihalomethane and amines to propargylamines. 2013 , 27, 729-733		15
314	Oxidant-dependent Cu-catalyzed alkylation and aminomethylation: C-H versus C-C cleavage in TMEDA. <i>Tetrahedron Letters</i> , 2013 , 54, 6725-6728	2	6
313	Efficient One-Pot Synthesis of Multi-Substituted Dihydrofurans by Ruthenium(II)-Catalyzed [3+2] Cycloaddition of Cyclic or Acyclic Diazodicarbonyl Compounds with Olefins. 2013 , 355, 2361-2374		48
312	Mirror-image organometallic osmium arene iminopyridine halido complexes exhibit similar potent anticancer activity. <i>Chemistry - A European Journal</i> , 2013 , 19, 15199-209	4.8	35
311	RuCl ₃ -catalyzed solvent-free Ugi-type Groebke-Blackburn synthesis of aminoimidazole heterocycles. 2013 , 3, 18626		45
310	In situ generation of active species Ni^{II} for the aerobic oxidative deprotection of aldoximes catalyzed by FeCl ₃ /TEMPO. 2013 , 3, 22918		17
309	Syntheses of Heterocycles via Alkyne Cycloadditions Catalyzed by Cyclopentadienylruthenium-Type Complexes. 2013 , 87, 2459		17
308	Ruthenium-catalysed codimerisation of myrcene with methyl acrylate: Catalyst screening and mechanistic discussions. <i>Applied Catalysis A: General</i> , 2013 , 453, 204-212	5.1	5
307	Self-Metathesis of Polyol Allyl Ethers towards Carbohydrate-Based Oligohydroxy Derivatives. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 566-577	3.2	3
306	Novel Organoruthenium(II) β -diketonates as Catalysts for Ortho Arylation via C-H Activation. <i>Organometallics</i> , 2013 , 32, 609-616	3.8	14
305	Determination of Keggin structure of [GeW ₁₁ O ₃₉ Ru(III)(H ₂ O)] ⁵⁻ . Reaction of [GeW ₁₁ O ₃₉ Ru(III)(H ₂ O)] ⁵⁻ with dimethyl sulfoxide to form [GeW ₁₁ O ₃₉ Ru(III)(dmsO)] ⁵⁻ and their structural characterization. <i>Dalton Transactions</i> , 2013 , 42, 2540-5	4.3	15
304	Reusable Catalysts for Copper-Mediated Cross-Coupling Reactions under Heterogeneous Conditions. 2013 , 745-784		3
303	A closer look at the formation of bicyclic metalated and cyclometalated ruthenium carbonyl complexes. <i>Inorganica Chimica Acta</i> , 2013 , 397, 10-20	2.7	11
302	Efficient three-component coupling catalysed by mesoporous copper-aluminum based nanocomposites. 2013 , 15, 1238		74
301	Disilametallacycles as a Platform for Stabilizing M(II) and M(IV) (M = Fe, Ru) Centers: Synthesis and Characterization of Half-Sandwich Complexes and Their Application to Catalytic Double Silylation of Alkenes and Alkynes. <i>Organometallics</i> , 2013 , 32, 2112-2120	3.8	19
300	Reaction mechanism of ruthenium-catalyzed azide-alkyne cycloaddition reaction: A DFT study. <i>Journal of Organometallic Chemistry</i> , 2013 , 724, 167-176	2.3	31
299	Synthesis of Chromones through LiOtBu/Air-Mediated Oxidation and Regioselective Cyclization of o-Hydroxyphenyl Propargyl Carbinols. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 2080-2083	3.2	27

298	Computational Study on Redox-Switchable Second-Order Nonlinear Optical Properties of Totally Inorganic Keggin-Type Polyoxometalate Complexes. 2013 , 117, 7776-7783		21
297	Ruthenium-catalyzed oxidation of alcohols by bromate in water. <i>New Journal of Chemistry</i> , 2013 , 37, 1707	3.6	11
296	Direct access to acylated azobenzenes via Pd-catalyzed C-H functionalization and further transformation into an indazole backbone. <i>Organic Letters</i> , 2013 , 15, 620-3	6.2	154
295	Ruthenium-catalyzed ortho-C-H bond alkylation of aromatic amides with α,β -unsaturated ketones via bidentate-chelation assistance. 2013 , 4, 2201		176
294	Rapid one-pot propargylamine synthesis by plasmon mediated catalysis with gold nanoparticles on ZnO under ambient conditions. <i>Chemical Communications</i> , 2013 , 49, 1732-4	5.8	72
293	A Facile Synthesis of 4,6,7,8,8a,9-Hexahydropyrrolo[1,2-a][1,2,3]triazolo[1,5-d]pyridazines by a Three-Component Coupling Reaction Followed by Intramolecular 1,3-Dipolar Cycloaddition. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 4119-4130	3.2	20
292	Palladium-catalyzed ortho-acylation of 2-aryl pyridine derivatives using arylmethyl amines as new acyl sources. <i>Chemical Communications</i> , 2013 , 49, 6837-9	5.8	60
291	Hydrogenation and Silylation of a Double-Cyclometalated Ruthenium Complex: Structures and Dynamic Behavior of Hydrido and Hydridosilicate Ruthenium Complexes. <i>Organometallics</i> , 2013 , 32, 4409-4415 ¹¹	3.8	11
290	Stereoselective Hydrogenation of C=C Bonds: Application to Drug and Natural Product Synthesis. 2013 , 1-50		
289	Asymmetric Hydrogenation of C=O and C=N Bonds in Stereoselective Synthesis. 2013 , 1-52		5
288	Electronic and bonding properties of mono-ruthenium-substituted Keggin-type polyoxometalates: a theoretical study of $[\{PW_{11}O_{39}\}Ru^{II}/III(L)_n]^{-n}$ (L = dimethyl sulfoxide (DMSO), water, pyridine, and ammonia) and $[\{GeW_{11}O_{39}\}Ru^{II}(DMSO)_3(H_2O)]^{6-}$ 2013 , 111, 3733-3740		4
287	Polymer Microgels for Catalysis. 2013 ,		1
286	Asymmetric Auto-Tandem Catalysis with a Planar-Chiral Ruthenium Complex: Sequential Allylic Amidation and Atom-Transfer Radical Cyclization. <i>Angewandte Chemie</i> , 2013 , 125, 4997-5001	3.6	20
285	The Effect of Lewis Acids on the Cycloaddition of 3,3,6-Trimethylcyclohex-5-ene-1,2,4-trione: Hydrogen Transfer versus Cycloaddition with Cyclopentadiene. <i>European Journal of Organic Chemistry</i> , 2013 , 2013, 5041-5044	3.2	4
284	Functional Star Polymers via Living Radical Polymerization [^] —Designer Functional Nanospaces. 2013 , 70, 432-448		7
283	Synthesis, Characterization, and Biological Studies of New Ruthenium Polypyridyl Complexes Containing Noninnocent Ligands. 2013 , 2013, 1-6		1
282	Iron Catalysis in Synthetic Chemistry. 2014 , 1-188		3
281	Chemoselective Amination of Propargylic C(sp ³)H Bonds by Cobalt(II)-Based Metalloradical Catalysis. <i>Angewandte Chemie</i> , 2014 , 126, 7148-7152	3.6	43

- 280 Oxygenation by ruthenium monosubstituted polyoxotungstates in aqueous solution: experimental and computational dissection of a Ru(III)-Ru(V) catalytic cycle. *Chemistry - A European Journal*, **2014**, 20, 10932-43 4.8 10
- 279 Ag(I) and Tl(I) precursors as transfer agents of a pyrrole-based pincer ligand to late transition metals. *Inorganic Chemistry*, **2014**, 53, 12360-71 5.1 26
- 278 Novel metal oxide nanocomposite of Au/CuO/ZnO for recyclable catalytic aerobic oxidation of alcohols in water. **2014**, 49, 1-5 49
- 277 Intramolecular hydrogen transfer reaction: menthon from isopulegol. *Organic Letters*, **2014**, 16, 2575-7 6.2 3
- 276 Manganese(II) chloride catalyzed highly efficient one-pot synthesis of propargylamines and fused triazoles via three-component coupling reaction under solvent-free condition. **2014**, 4, 26301-26308 31
- 275 Strategies to prepare and use functionalized organometallic reagents. *Journal of Organic Chemistry*, **2014**, 79, 4253-69 4.2 121
- 274 Autotandem catalysis with ruthenium: remote hydroesterification of allylic amides. *Organic Letters*, **2014**, 16, 572-5 6.2 34
- 273 Efficient synthesis of propargylamines from terminal alkynes, dichloromethane and tertiary amines over silver catalysts. **2014**, 12, 247-50 35
- 272 Mimicking hydrogenases: From biomimetics to artificial enzymes. **2014**, 270-271, 127-150 367
- 271 Heterogeneous Catalysis for Tandem Reactions. **2014**, 4, 870-891 250
- 270 Functional spaces in star and single-chain polymers via living radical polymerization. **2014**, 46, 664-673 57
- 269 Alcohol oxidation reactions catalyzed by ruthenium-carbonyl complexes of thioaryloimidazoles. **2014**, 28, 641-651 21
- 268 Oxidation of primary and secondary benzylic alcohols with hydrogen peroxide and tert-butyl hydroperoxide catalyzed by a "helmet" phthalocyaninato iron complex in the absence of added organic solvent. *Dalton Transactions*, **2014**, 43, 17899-903 4.3 17
- 267 Highly efficient homogeneous and heterogenized ruthenium catalysts for transfer hydrogenation of carbonyl compounds. **2014**, 4, 27955-27962 15
- 266 Palladium-catalyzed ortho-acylation of 2-benzyl-1,2,3-triazoles with aldehydes. **2014**, 12, 7474-7 15
- 265 Donor functionalized ruthenium N-heterocyclic carbene complexes in alcohol oxidation reactions. *Dalton Transactions*, **2014**, 43, 5335-42 4.3 29
- 264 Recent progress in metal-functionalized germanotungstates: from structures to properties. **2014**, 4, 50679-50692 12
- 263 Synthesis of tertiary propargylamines via a rationally designed multicomponent reaction of primary amines, formaldehyde, arylboronic acids and alkynes. **2014**, 12, 5597-600 16

262	Cationic half-sandwich quinolinophaneoxazoline-based (η^6 -p-cymene)ruthenium(II) complexes exhibiting different chirality types: synthesis and structural determination by complementary spectroscopic methods. <i>Dalton Transactions</i> , 2014 , 43, 1636-50	4.3	5
261	Density Functional Theory Study of the Mechanisms of Iron-Catalyzed Aminohydroxylation Reactions. <i>Organometallics</i> , 2014 , 33, 1423-1430	3.8	11
260	Silica nanospheres supported diazafluorene iron complex: an efficient and versatile nanocatalyst for the synthesis of propargylamines from terminal alkynes, dihalomethane and amines. 2014 , 4, 49198-49211		38
259	CuNi bimetallic reusable catalyst for synthesis of propargylamines via multicomponent coupling reaction under solvent-free conditions. 2014 , 4, 47958-47964		29
258	Ruthenium-Catalyzed [2 + 2] Cycloadditions between Norbornene and Propargylic Alcohols or Their Derivatives. <i>Organometallics</i> , 2014 , 33, 3847-3856	3.8	14
257	Structure-selectivity relationship in ruthenium-catalyzed regio- and stereoselective addition of alkynes to pyrazoles: an experimental and theoretical investigation. <i>Journal of Organic Chemistry</i> , 2014 , 79, 9979-91	4.2	13
256	Chemoselective amination of propargylic C(sp ³)-H bonds by cobalt(II)-based metalloradical catalysis. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7028-32	16.4	128
255	Nano copper(I) oxide/zinc oxide catalyzed coupling of aldehydes or ketones, secondary amines, and terminal alkynes in solvent-free conditions. <i>New Journal of Chemistry</i> , 2014 , 38, 624-635	3.6	58
254	Copper-catalyzed decarboxylative coupling reactions for the synthesis of propargyl amines. <i>Tetrahedron Letters</i> , 2014 , 55, 4875-4878	2	33
253	Catalyst-free activation of methylene chloride and alkynes by amines in a three-component coupling reaction to synthesize propargylamines. 2014 , 12, 6725-9		14
252	Immobilized silver on surface-modified ZnO nanoparticles: As an efficient catalyst for synthesis of propargylamines in water. 2014 , 395, 52-57		41
251	Two Thermochromic Layered Iodoargentate Hybrids Directed by 4- and 3-Cyanopyridinium Cations. 2014 , 14, 3875-3879		69
250	Catalytic Dimerization of Alkynes. 2014 , 299-334		3
249	[Ge(H)(2-C ₆ H ₄ PPH ₂) ₃] as Ligand Precursor at Ruthenium: Formation and Reactivity of [Ru(Cl){Ge(2-C ₆ H ₄ PPH ₂) ₃ }. 2014 , 2014, 4826-4835		20
248	Ruthenium-Catalyzed Synthesis of Benzoxazoles Using Acceptorless Dehydrogenative Coupling Reaction of Primary Alcohols with 2-Aminophenol under Heterogeneous Conditions. 2014 , 4, 1686-1692		71
247	Nano-size ZnS: A novel, efficient and recyclable catalyst for A ³ -coupling reaction of propargylamines. 2014 , 381, 126-131		44
246	Enantioselective ruthenium(II)/Xyl-SunPhos/Daipen-catalyzed hydrogenation of α -ketoamides. <i>Journal of Organic Chemistry</i> , 2014 , 79, 6164-71	4.2	9
245	Ruthenium pincer complexes: Ligand design and complex synthesis. 2014 , 276, 112-152		104

244	Synthesis, characterization, and reactivity of ruthenium hydride complexes of N-centered triphosphine ligands. <i>Inorganic Chemistry</i> , 2014 , 53, 3742-52	5.1	26
243	Palladium-Catalyzed Oxidative Synthesis of Aromatic Ketones Using Olefins as Acyl Equivalents through Selective ortho Aromatic C-H Bond Activation. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 6746-6752	3.2	23
242	Oxidative intramolecular coupling of 2,3-disubstituted phenyl acrylic acids and derivatives promoted by di-tert-butylperoxide. 2014 , 25, 348-350		4
241	Highly Active, Selective, and Reusable RuO ₂ /SWCNT Catalyst for Heck Olefination of Aryl Halides. 2014 , 4, 2118-2129		48
240	Iron-promoted Reduction Reactions. 2014 , 1-54		
239	Atom Economic Ruthenium-Catalyzed Synthesis of Bulky α -Oxo Esters. 2015 , 357, 4069-4081		13
238	Rice Husk Supported Catalysts for Degradation of Chlorobenzenes in Capillary Microreactor. 2015 , 2015, 1-9		2
237	Mechanistic insights into the reactions of hydride transfer versus hydrogen atom transfer by a trans-dioxoruthenium(VI) complex. <i>Dalton Transactions</i> , 2015 , 44, 7634-42	4.3	18
236	Isomerization of allylbenzenes. <i>Chemical Reviews</i> , 2015 , 115, 5462-569	68.1	158
235	Preparation of Au nanoparticles by <i>Anthemis xylopo</i> da flowers aqueous extract and their application for alkyne/aldehyde/amine A ₃ -type coupling reactions. 2015 , 5, 46240-46246		84
234	Copper N-Heterocyclic Carbene: A Catalyst for Aerobic Oxidation or Reduction Reactions. <i>Organic Letters</i> , 2015 , 17, 5990-3	6.2	19
233	Synthesis of ruthenium@graphene nanomaterials in propylene carbonate as re-usable catalysts for the solvent-free hydrogenation of benzene. 2015 , 2, 28-34		30
232	Aerobic Oxidation of Alcohols Catalyzed by a New ZnO-Supported Copper Oxide Nanocatalyst in Aqueous Media. 2015 , 45, 877-885		15
231	Heteroleptic binuclear copper(I) complexes bearing bis(salicylidene)hydrazone ligands: Synthesis, crystal structure and application in catalytic N-alkylation of amines. 2015 , 89, 62-69		13
230	Arylmethyl Chlorides: New Bifunctional Reagents for Palladium-Catalyzed ortho-Chlorination and Acylation of 2-Arylpyridines. 2015 , 357, 443-450		22
229	Ruthenium Pincer Complexes: Synthesis and Catalytic Applications. 2015 , 357, 283-330		114
228	Covalently immobilized indium(III) composite (In/SiO ₂) as highly efficient reusable catalyst for A ₃ -coupling of aldehydes, alkynes and amines under solvent-free conditions. 2015 , 399, 71-78		18
227	Noble metal-based composite nanomaterials fabricated via solution-based approaches. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 3182-3223	13	82

226	Antimicrobial ruthenium complex coating on the surface of titanium alloy. High efficiency anticorrosion protection of ruthenium complex. 2015 , 104, 35-43		10
225	Comparative Assessment of DFT Performances in Ru- and Rh-Promoted π Bond Activations. 2015 , 11, 1428-38		35
224	N-Propylphthalimide-Substituted Silver(I) N-Heterocyclic Carbene Complexes and Ruthenium(II) N-Heterocyclic Carbene Complexes: Synthesis and Transfer Hydrogenation of Ketones. 2015 , 145, 631-639		20
223	Unexpected ligand lability in condition of water oxidation catalysis. 2015 , 330, 255-260		23
222	Green synthesis of CuO nanoparticles by aqueous extract of Anthemis nobilis flowers and their catalytic activity for the A π coupling reaction. 2015 , 459, 183-188		93
221	Advances in Ruthenium Catalysed Hydrogen Release from C1 Storage Materials. 2015 , 2,		1
220	Half-Sandwich B-Oxy Boratabenzene Ruthenium Complexes: Synthesis, Characterization, and Reactivity of (η -C ₅ H ₅ BOR)RuCl(PPh ₃) ₂ (R = Et, Me). <i>Organometallics</i> , 2015 , 34, 3292-3302	3.8	9
219	Euphorbia helioscopia Linn as a green source for synthesis of silver nanoparticles and their optical and catalytic properties. 2015 , 450, 374-380		83
218	Gold immobilized onto poly(ionic liquid) functionalized magnetic nanoparticles: a robust magnetically recoverable catalyst for the synthesis of propargylamine in water. 2015 , 5, 34502-34510		48
217	Practical Solvent-Free Ruthenium Trichloride-Mediated Benzannulation Approach to Fused Functionalized Arenes. 2015 , 357, 1387-1392		14
216	Nanocomposites of Gold and Semiconductors. 2015 , 31-91		
215	Oxone π acetone mediated syn-dioxygenation of benzo-fused olefins. <i>Tetrahedron Letters</i> , 2015 , 56, 2183-2186		10
214	16-Electron pentadienyl- and cyclopentadienyl-ruthenium half-sandwich complexes with bis(imidazol-2-imine) ligands and their use in catalytic transfer hydrogenation. <i>Dalton Transactions</i> , 2015 , 44, 11717-24	4.3	15
213	Computational studies on the regioselectivity of metal-catalyzed synthesis of 1,2,3 triazoles via click reaction: a review. 2015 , 21, 264		29
212	Ligand-free reusable nano copper oxide-catalyzed synthesis of 3-amino-1,4-diynes. 2015 , 5, 91326-91329		9
211	Self-Assembled Cyclophane-Type Copper(I) Complexes of 2,4,6-Tris(diphenylphosphino)-1,3,5-triazine and Their Catalytic Application. <i>Inorganic Chemistry</i> , 2015 , 54, 10985-92	5.1	19
210	Evolution of ppm amount of Ru(III) complexes for effective living radical polymerization of MMA. 2015 , 53, 1961-1965		4
209	Silver(I) complexes as efficient source for silver oxide nanoparticles with catalytic activity in A ₃ coupling reactions. <i>Inorganica Chimica Acta</i> , 2015 , 438, 255-263	2.7	25

- 208 Ruthenium(II)-Catalyzed C3 Arylation of 2-Aroylbenzofurans with Arylboronic Acids/Aryltrifluoroborates via Carbonyl-Directed C-H Bond Activation. *Journal of Organic Chemistry*, **2015**, 80, 11551-8 4.2 23
- 207 Solvent-free [Ru]-catalyzed isomerization of allyl glycidyl ether: The scope, effectiveness and recycling of catalysts, and exothermal effect. *Applied Catalysis A: General*, **2015**, 505, 382-393 5.1 5
- 206 Decamethylruthenocene Hydride and Hydrogen Formation at Liquid|Liquid Interfaces. **2015**, 119, 25761-25769 2.7 5
- 205 Metal-Based Composite Nanomaterials. **2015**, 5 5
- 204 Ruthenium-Catalyzed Conjugate Hydrogenation of α,β -Enones by in situ Generated Dihydrogen from Paraformaldehyde and Water. *European Journal of Organic Chemistry*, **2015**, 2015, 331-335 3.2 20
- 203 Acridine based (S,N,S) pincer ligand: designing silver(I) complexes for the efficient activation of Al^{III} (aldehyde, alkyne and amine) coupling. *Dalton Transactions*, **2015**, 44, 1962-8 4.3 32
- 202 Synthesis and catalytic evaluation of ruthenium(II) benzhydrazone complex in transfer hydrogenation of ketones. *Tetrahedron Letters*, **2016**, 57, 3764-3769 2 11
- 201 Solventless synthesis of Ru(0) composites stabilized with polyphosphorhydrazone (PPH) dendrons and their use in catalysis. **2016**, 6, 64557-64567 12
- 200 Reactions of Manganese and Rhenium Vinylidene Complexes with Hydrophosphoryl Compounds. *Organometallics*, **2016**, 35, 3903-3913 3.8 5
- 199 Reactions of the Lithiated Diphosphine $\text{tBu}_2\text{PB}(\text{SiMe}_3)\text{Li}$ with $[(\eta\text{-C}_6\text{H}_6)\text{RuCl}_2]_2$ in the Presence of Tertiary Phosphines. **2016**, 2016, 4241-4249 4
- 198 Functionalized Polystyrene Supported Copper(I) Complex as an Effective and Reusable Catalyst for Propargylamines Synthesis in Aqueous Medium. **2016**, 146, 1128-1138 29
- 197 N-Alkylation by Hydrogen Autotransfer Reactions [corrected]. **2016**, 374, 27 43
- 196 Transition-Metal-Catalyzed Hydrosulfoximation and Oxidation Reaction for the Synthesis of Sulfoximine Derivatives. *Journal of Organic Chemistry*, **2016**, 81, 9308-9314 4.2 22
- 195 Recyclable Pd(II) complex catalyzed oxidative sp^2 CH bond acylation of 2-aryl pyridines with toluene derivatives. *Journal of Organometallic Chemistry*, **2016**, 822, 189-195 2.3 11
- 194 Homogeneous Catalytic Oxidation of Unactivated Primary and Secondary Alcohols Employing a Versatile Helmet-Phthalocyaninato Iron Complex Catalyst Without Added Organic Solvent. **2016**, 1, 5182-5186 6
- 193 Thiolate-protected Gold Nanoclusters $\text{Au}_{25}(\text{phenylethanthiol})_{18}$: An Efficient Catalyst for the Synthesis of Propargylamines from Aldehydes, Amines, and Alkynes. *Chemistry Letters*, **2016**, 45, 1457-1459 1.7 20
- 192 Hydrogen Transfer Reactions. **2016**, 2
- 191 Polymeric Complex of 1-Phenylsulfanyl/selenylmethyl-1H-Benzotriazole with Ag(I): Pre-catalyst for A3 Coupling Affording Propargylamines on a Gram/Lab Scale. **2016**, 1, 3573-3579 10

190	Recent Advances in Metal Porphyrinoid-Catalyzed Nitrene and Carbene Transfer Reactions. 2016 , 1-99		2
189	Computationally designed tandem direct selective oxidation using molecular oxygen as oxidant without coreductant. 2016 , 6, 88189-88215		1
188	Cu ₆ Se _{4.5} Nanoparticles from a single source precursor: Recyclable and efficient catalyst for cross-dehydrogenative coupling of tertiary amines with terminal alkynes. 2016 , 423, 135-142		22
187	Ruthenium-Catalyzed Intramolecular Hydroarylation of Arenes and Mechanistic Study: Synthesis of Dihydrobenzofurans, Indolines, and Chromans. <i>Journal of Organic Chemistry</i> , 2016 , 81, 8552-60	4.2	29
186	Iron-catalyzed C-H Activation. 2016 , 63, 828-840		8
185	Characteristics and reactivity of ruthenium-oxo complexes. <i>Dalton Transactions</i> , 2016 , 45, 16727-16750	4.3	47
184	N-Oxides rescue Ru(V) in catalytic Griffith-Ley (TPAP) alcohol oxidations. <i>Chemical Communications</i> , 2016 , 52, 10301-4	5.8	10
183	RuCl ₃ /Oxone: An efficient combination for the synthesis of 3-aryl-[1,2,4]triazolo[4,3-a]pyridines from 2-(2-arylidenehydrazinyl)pyridines. <i>Tetrahedron Letters</i> , 2016 , 57, 5596-5598	2	8
182	Hydrogenation for Fine Chemical Synthesis: Status and Future Perspectives. 2016 , 427-462		1
181	Fe, Ru, and Os Nanoparticles. 2016 , 1-24		
180	Asymmetric Hydrogenation of Allylic Alcohols Using Ir ^{III} ,P-Complexes. 2016 , 6, 8342-8349		27
179	Understanding the molecular basis for the controlled design of ruthenium nanoparticles in microporous aluminophosphates. 2016 , 1, 335-344		3
178	Catalytic oxidation of primary aromatic alcohols using half sandwich Ir(III), Rh(III) and Ru(II) complexes: A practical and theoretical study. 2016 , 423, 160-171		15
177	ONO-pincer ruthenium complex-bound norvaline for efficient catalytic oxidation of methoxybenzenes with hydrogen peroxide. 2016 , 14, 7468-79		13
176	Synthesis, characterisation and cytotoxic activity of organoruthenium(II)-halido complexes with 1 H-benzimidazole-2-carboxylic acid. <i>Journal of Organometallic Chemistry</i> , 2016 , 819, 61-68	2.3	15
175	Modern Transition-Metal-Catalyzed Carbon-Halogen Bond Formation. <i>Chemical Reviews</i> , 2016 , 116, 8003-8044		368
174	Tin(II) Chloride Catalyzed Multicomponent Synthesis of Propargylamines and Intramolecular [3+2] Cycloaddition. <i>Asian Journal of Organic Chemistry</i> , 2016 , 5, 257-263	3	12
173	Ru-catalyzed asymmetric hydrogenation of β -keto Weinreb amides: enantioselective synthesis of (+)-Centrolobine. 2016 , 14, 2723-30		10

172	Amino acid ionic liquid bound copper Schiff base catalyzed highly efficient three component A3-coupling reaction. 2016 , 77, 113-117		34
171	Cp*Co(III)-Catalyzed C(sp ³)H Bond Activation: A Highly Stereoselective and Regioselective Alkenylation of 8-Methylquinoline with Alkynes. 2016 , 6, 2792-2796		135
170	Synthesis and Applications of (ONO Pincer)Ruthenium-Complex-Bound Norvalines. 2016 , 11, 1076-91		7
169	Half-sandwich rhodium and iridium metallamacrocycles constructed via C-H activation. <i>Dalton Transactions</i> , 2016 , 45, 7014-21	4.3	4
168	Regioselective Formation of Enol Esters from the Ruthenium-Catalyzed Markovnikov Addition of Carboxylic Acids to Alkynes. <i>Journal of Organic Chemistry</i> , 2016 , 81, 476-84	4.2	26
167	Ruthenium anchored on multi-walled carbon nanotubes: an efficient and reusable catalyst for the synthesis of xanthenes. <i>Research on Chemical Intermediates</i> , 2016 , 42, 5049-5067	2.8	9
166	Efficient and practical catalyst-free-like dehydrative N-alkylation of amines and sulfinamides with alcohols initiated by aerobic oxidation of alcohols under air. 2016 , 72, 264-272		24
165	Photoassisted oxidation of ruthenium(II)-photocatalysts Ru(bpy) ₃ (2+) and Ru(bpz) ₃ (2+) to RuO ₄ : orthogonal tandem photoredox and oxidation catalysis. <i>Chemical Communications</i> , 2016 , 52, 1025-8	5.8	10
164	Phosphine Supported Ruthenium Nanoparticle Catalyzed Synthesis of Substituted Pyrazines and Imidazoles from β -Diketones. <i>Journal of Organic Chemistry</i> , 2017 , 82, 1768-1774	4.2	19
163	Recent Advances in the Chemistry of Pentafulvenes. <i>Chemical Reviews</i> , 2017 , 117, 3930-3989	68.1	73
162	Microgel Star Polymer Catalysts as Active and Functional Nanoreactors for Organic Reactions and Polymerizations. 2017 , 125-146		
161	Advances in transition-metal-catalyzed synthesis of 3-substituted isocoumarins. <i>Journal of Organometallic Chemistry</i> , 2017 , 834, 88-103	2.3	23
160	Iminophosphanes: Synthesis, Rhodium Complexes, and Ruthenium(II)-Catalyzed Hydration of Nitriles. <i>Organometallics</i> , 2017 , 36, 1079-1090	3.8	22
159	Stabilization of activated fragments by shell-wise construction of an embedding environment. 2017 , 38, 1023-1038		9
158	Solvent-free ruthenium trichloride-mediated [2 + 2 + 2] cycloaddition of β -alkynes and cyanamides: a convenient access to 2-aminopyridines. 2017 , 4, 1063-1068		12
157	Ru(III) mediated C H bond activation of N-(naphthyl)salicylalimine and related Schiff base ligands: Synthesis, structure, DFT study and catalytic activity. 2017 , 85, 26-31		8
156	Exploring the Gas-Phase Activation and Reactivity of a Ruthenium Transfer Hydrogenation Catalyst by Experiment and Theory in Concert. 2017 , 121, 4422-4434		9
155	Cu(I)-catalyzed Green Synthesis of Propargyl Amines Decorated with Carbazole Moiety by A3-Coupling. 2017 , 64, 777-785		2

154	A General Strategy for Open-Flask Alkene Isomerization by Ruthenium Hydride Complexes with Non-Redox Metal Salts. <i>ChemCatChem</i> , 2017 , 9, 3849-3859	5.2	7
153	Electronic Control on Linear versus Branched Alkylation of 2-/3-Aroylbenzofurans with Acrylates: Combined DFT and Synthetic Studies. <i>Chemistry - A European Journal</i> , 2017 , 23, 7570-7581	4.8	8
152	Asymmetric hydrogenation of pro-chiral ketones catalyzed by chiral Ru(II)-benzene organometallic compounds containing amino acid based aroylthiourea ligands. <i>Journal of Organometallic Chemistry</i> , 2017 , 831, 45-49	2.3	10
151	Microwave-assisted synthesis of ultrafine Au nanoparticles immobilized on MOF-199 in high loading as efficient catalysts for a three-component coupling reaction. 2017 , 10, 876-889		44
150	4-Hydroxy-3-carboxycoumarin as an efficient building block for new ruthenium(II) complexes: synthesis, characterization, antibacterial, antioxidant and anti-inflammatory activities. 2017 , 31, e3605		1
149	Atom transfer radical polymerization by [RuCl ₂ (PPh ₃) ₂ (amine)] catalysts: Cyclic amines as tuner of reactivity. <i>Journal of Polymer Research</i> , 2017 , 24, 1	2.7	4
148	Copper nanoparticles as inexpensive and efficient catalyst: A valuable contribution in organic synthesis. 2017 , 353, 1-57		100
147	Coordinatively Labile 18-Electron Arene Ruthenium Iminophosphonamide Complexes. <i>Chemistry - A European Journal</i> , 2017 , 23, 15424-15435	4.8	4
146	Magnetically recoverable graphene-based nanocomposite material as an efficient catalyst for the synthesis of propargylamines via A ³ coupling reaction. <i>New Journal of Chemistry</i> , 2017 , 41, 12756-12766 ^{3.6}		17
145	From Noble Metals to Fe-, Co-, and Ni-based Catalysts: A Case Study of Asymmetric Reductions. 2017 , 183-221		1
144	Supramolecular structures of V(III) complexes supported by PNP pincer ligands. 2017 , 1149, 229-234		2
143	Basic Coordination Chemistry of Ruthenium. 2017 , 25-41		3
142	Copper-catalyzed aerobic benzylic sp ³ C-H oxidation mediated synthesis of 2,4,5-trisubstituted imidazoles via a domino multi-component reaction. 2017 , 19, 5841-5845		31
141	The Immobilization of a Transfer Hydrogenation Catalyst on Colloidal Particles. <i>ChemCatChem</i> , 2017 , 9, 440-450	5.2	6
140	Synthesis and Structural Evaluation of Organo-Ruthenium Complexes with β -Diketonates. <i>Molecules</i> , 2017 , 22,	4.8	12
139	A family of manganese complexes containing heterocyclic-based ligands with cytotoxic properties. 2018 , 182, 124-132		7
138	Cu ₂ O nanoparticles supported hydrothermal carbon microspheres as catalyst for propargylamine synthesis. <i>Molecular Catalysis</i> , 2018 , 451, 209-219	3.3	19
137	Competing Pathways in the Photochemistry of Ru(H) ₂ (CO)(PPh ₃) ₃ . <i>Organometallics</i> , 2018 , 37, 855-868	3.8	3

136	Practical Considerations, Challenges, and Limitations of Bioconjugation via Azide-Alkyne Cycloaddition. 2018 , 29, 686-701		143
135	Iron-catalyzed cross-dehydrogenative CN coupling of thiohydantoin with various amines. <i>Tetrahedron Letters</i> , 2018 , 59, 734-738	2	8
134	Solvent-Promoted Regio- and Stereoselectivity in Ru-Catalyzed Hydrocarboxylation of Terminal Alkynes: A DFT Study. <i>ChemCatChem</i> , 2018 , 10, 566-580	5.2	12
133	Aerobic Oxidative Dehydrogenation of Amines Catalyzed by a Recoverable Ruthenium Catalyst under Mild Reaction Conditions. <i>ChemCatChem</i> , 2018 , 10, 1783-1787	5.2	13
132	Asymmetric Aldol Additions: A Guided-Inquiry Laboratory Activity on Catalysis. 2018 , 95, 158-163		8
131	Microwave-assisted facile synthesis of propargylamine library by robust nitro functionalized cross-linked polystyrene resin supported Cu NPs. 2018 , 31, e3749		7
130	Synthesis, Structure and Catalytic Oxidation of Ruthenium(III) Complexes Containing 1-(Arylazo)naphthol Ligands Derived from Naphthol and Sterically Bulky Amines. 2018 , 3, 11712-11715		1
129	Piano-stool Ru(II)-benzene complexes bearing D/L-alanine derived chiral aroylthiourea ligands for asymmetric transfer hydrogenation of ketones in water. 2018 , 130, 1		1
128	Copper-Catalyzed Highly Efficient Acetylene-Mannich Reaction of Secondary Amines, Paraformaldehyde and Terminal Alkynes. 2018 , 3, 13629-13631		1
127	Homogeneous Catalysis by Cobalt and Manganese Pincer Complexes. 2018 , 8, 11435-11469		277
126	Ruthenium-catalyzed annulation of aromatic ketones with internal alkynes: A reliable route to substituted naphthalene derivatives. 2018 , 74, 6263-6269		2
125	Synthesis of bimetallic gold-palladium loaded on carbon as efficient catalysts for the oxidation of benzyl alcohol into benzaldehyde. 2018 , 271, 885-891		41
124	A Crown-Shaped Ru-Substituted Arsenotungstate for Selective Oxidation of Sulfides with Hydrogen Peroxide. <i>Chemistry - A European Journal</i> , 2018 , 24, 11059-11066	4.8	31
123	N-Monomethylation of Aromatic Amines with Methanol via PNP-Pincer Ru Catalysts. <i>Organic Letters</i> , 2018 , 20, 3866-3870	6.2	48
122	Mesoporous silica as phase transfer agent in the biphasic oxidative cleavage of alkenes using triazole complexes of ruthenium as catalyst precursors. <i>Applied Catalysis A: General</i> , 2018 , 565, 76-86	5.1	7
121	From Zn(II) to Cu(II) framework via single-crystal to single-crystal metathesis with superior gas uptake and heterogeneous catalytic properties. <i>Inorganica Chimica Acta</i> , 2018 , 482, 925-934	2.7	6
120	Metal-Organic Frameworks with Organogold(III) Complexes for Photocatalytic Amine Oxidation with Enhanced Efficiency and Selectivity. <i>Chemistry - A European Journal</i> , 2018 , 24, 15089-15095	4.8	14
119	Heterogeneously Catalyzed Aerobic Oxidation of Sulfides with a BaRuO Nanoperovskite. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 23792-23801	9.5	29

118	Efficient aerobic oxidation of alcohols to aldehydes and ketones using a ruthenium carbonyl complex of a tert-butyl-substituted tetramethylcyclopentadienyl ligand as catalyst. 2018 , 43, 635-640		5
117	Cyclometalated Dicarbonyl Ruthenium Catalysts for Transfer Hydrogenation and Hydrogenation of Carbonyl Compounds. <i>Organometallics</i> , 2018 , 37, 2136-2146	3.8	17
116	Carboxyboronate: A Versatile C1 Building Block. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 15148-15153	16.4	25
115	Carboxyboronate: A Versatile C1 Building Block. <i>Angewandte Chemie</i> , 2019 , 131, 15292-15297	3.6	18
114	. 2019 ,		6
113	An Electrophilic Ruthenium Complex that Enables the Cycloisomerization of 1,6-Enynes to Access Azabicyclo[4.1.0]heptenes. <i>Asian Journal of Organic Chemistry</i> , 2019 , 8, 2011-2016	3	0
112	. 2019 ,		0
111	Enantioselective Domino Reactions Catalyzed by Other Metals. 2019 , 333-368		
110	Mechanistic Insights into the Ru(II)-Catalyzed Intramolecular Formal [3 + 2] Cycloaddition of (η)-1,6-Enynes. <i>Organic Letters</i> , 2019 , 21, 6815-6820	6.2	2
109	Covalently Copper(II) Porphyrin Cross-Linked Graphene Oxide: Preparation and Catalytic Activity. 2019 , 149, 713-722		24
108	Ternary hybrid TiO-PANI-AuNPs for photocatalytic A-coupling of aldehydes, amines and alkynes: First photochemical synthesis of propargyl amines. 2019 , 99, 191-201		16
107	(Ar-tpy)Ru(ACN): A Water-Soluble Catalyst for Aldehyde Amidation, Olefin Oxo-Scissoring, and Alkyne Oxygenation. <i>Journal of Organic Chemistry</i> , 2019 , 84, 8468-8480	4.2	13
106	Visible Light-Driven Gas-Phase Artificial Photosynthesis Reactions over Ruthenium Metal Nanoparticles Modified with Anatase TiO ₂ . 2019 , 2019, 1-10		5
105	Isomerization of allylic alcohols in water catalyzed by transition metal complexes. 2019 , 393, 118-148		20
104	Synthesis, in vitro COX-1/COX-2 inhibition testing and molecular docking study of novel 1,4-benzoxazine derivatives. <i>New Journal of Chemistry</i> , 2019 , 43, 10305-10317	3.6	7
103	Nanocomposites Consisting of Chalcogenide Semiconductors and Gold. 2019 , 69-147		
102	Carbon Nanocomposites: Preparation and Its Application in Catalytic Organic Transformations. 2019 ,		3
101	Remote Imidazole-Based Ruthenium(II) p-Cymene Precatalyst for Selective Oxidative Cleavage of C=C Multiple Bonds. <i>ChemCatChem</i> , 2019 , 11, 2683-2694	5.2	5

100	One catalyst, multiple processes: ligand effects on chemoselective control in Ru-catalyzed anti-Markovnikov reductive hydration of terminal alkynes. <i>Catalysis Science and Technology</i> , 2019 , 9, 2315-2327 ²	5.5	23
99	Coupling Reactions and C-H Functionalization. 2019 , 331-406		
98	Studies of Ion Conductance in Polymers Derived from Norbornene Imidazolium Salts Containing Ethyleneoxy Moieties. 2019 , 52, 1389-1399		5
97	Golden Age of Homogeneous Catalysis Chemistry of Alkynes: Dimerization and Oligomerization of Alkynes. 2019 , 60, 689-732		10
96	Polymer-supported triphenylphosphine: application in organic synthesis and organometallic reactions.. 2019 , 9, 35217-35272		12
95	Introduction to Silver Chemistry. 2019 , 1-32		
94	Evaluating Density Functionals by Examining Molecular Structures, Chemical Bonding, and Relative Energies of Mononuclear Ru-Cl-H-PR Isomers. 2019 , 123, 343-358		1
93	Filling a Niche in "Ligand Space" with Bulky, Electron-Poor Phosphorus(III) Alkoxides. <i>Chemistry - A European Journal</i> , 2019 , 25, 2262-2271	4.8	11
92	Ru supported on micro and mesoporous carbons as catalysts for biomass-derived molecules hydrogenation. 2020 , 357, 143-151		5
91	Reduced graphene oxide-immobilized iron nanoparticles Fe(0)@rGO as heterogeneous catalyst for one-pot synthesis of series of propargylamines. <i>Research on Chemical Intermediates</i> , 2020 , 46, 369-384	2.8	12
90	Selective oxidation of benzyl alcohol catalyzed by ruthenium (III) complexes derived from tridentate mer-ligands having phenolato donor. <i>Journal of Organometallic Chemistry</i> , 2020 , 905, 120986 ^{2,3}		4
89	Efficient Construction of Highly-fused Diperylene Bismides by Cu/Oxalic Diamide-promoted Zipper-mode Double C-H Activation. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 110-114	2.2	1
88	Strategies to Immobilized Catalysts. 2020 , 1-22		1
87	Ligand Substitution of Ru -Alkylidenes to Ru(bpy) : Sequential Olefin Metathesis/Photoredox Catalysis. <i>Chemistry - A European Journal</i> , 2020 , 26, 1772-1775	4.8	2
86	Catalysis with Colloidal Ruthenium Nanoparticles. <i>Chemical Reviews</i> , 2020 , 120, 1085-1145	68.1	65
85	Atomic layer deposition of ruthenium using an ABC-type process: Role of oxygen exposure during nucleation. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2020 , 38, 062402	2.9	6
84	Metal-NHC heterocycle complexes in catalysis and biological applications: Systematic review. <i>Materials Today: Proceedings</i> , 2020 , 31, S122-S129	1.4	7
83	Iron-catalyzed hydrosilylation of diacids in the presence of amines: a new route to cyclic amines. <i>ChemCatChem</i> , 2020 , 12, 5449-5455	5.2	3

82	Ruthenium Metathesis: A Key Step To Access a New Cyclic Tetrasubstituted Olefin Platform. <i>Organic Letters</i> , 2020 , 22, 7064-7067	6.2	8
81	Silver-catalyzed multicomponent reactions for the construction of α -carbonyl- β -amino acid derivatives. <i>Tetrahedron Letters</i> , 2020 , 61, 152318	2	2
80	Bidentate NHC-Cobalt Catalysts for the Hydrogenation of Hindered Alkenes. <i>Organometallics</i> , 2020 , 39, 3082-3087	3.8	6
79	A Review of Microwave-Assisted Synthesis-Based Approaches to Reduce Pd-Content in Catalysts. <i>Catalysts</i> , 2020 , 10, 991	4	1
78	Glycerol Oxidation Catalyzed by High-valency Ruthenium Species at Electrochemical Interfaces. <i>Chemistry Letters</i> , 2020 , 49, 513-516	1.7	2
77	Plasmonic nanocatalysis for solar energy harvesting and sustainable chemistry. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10074-10095	13	24
76	Aqueous Electrochemical Partial Oxidation of Gaseous Ethylbenzene by a Ru-Modified Covalent Triazine Framework. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 29376-29382	9.5	3
75	Synthesis of Sulfones Ru(II)-Catalyzed Sulfinations of Boronic Acids. <i>Journal of Organic Chemistry</i> , 2020 , 85, 5660-5669	4.2	7
74	Artificial iron hydrogenase made by covalent grafting of Knlker's complex into xylanase: Application in asymmetric hydrogenation of an aryl ketone in water. <i>Biotechnology and Applied Biochemistry</i> , 2020 , 67, 563-573	2.8	1
73	Switch in Selectivity for Formal Hydroalkylation of 1,3-Dienes and Enynes with Simple Hydrazones. <i>Angewandte Chemie</i> , 2020 , 132, 6528-6534	3.6	10
72	Switch in Selectivity for Formal Hydroalkylation of 1,3-Dienes and Enynes with Simple Hydrazones. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 6466-6472	16.4	26
71	Recent advances in soluble ruthenium(0) nanocatalysts and their reactivity. <i>Applied Catalysis A: General</i> , 2020 , 598, 117561	5.1	1
70	Assembly of ruthenium complexes on double stranded DNA using mismatch binding ligands. <i>Chemical Communications</i> , 2020 , 56, 5227-5230	5.8	2
69	Ruthenium-catalysed oxidative coupling of vinyl derivatives and application in tandem hydrogenation. <i>Catalysis Science and Technology</i> , 2021 , 11, 5772-5776	5.5	2
68	Ruthenium silicate (RS-1) zeolite: novel heterogeneous efficient catalyst for synthesis of 2-arylbenzothiazole derivatives. <i>Research on Chemical Intermediates</i> , 2021 , 47, 1253-1267	2.8	1
67	Kinetically labile ruthenium(II) complexes of terpyridines and saccharin: effect of substituents on photoactivity, solvation kinetics, and photocytotoxicity. <i>Dalton Transactions</i> , 2021 , 50, 8196-8217	4.3	1
66	Ru(II)-Catalyzed Switchable C-H Alkylation and Spirocyclization of 2-Arylquinoxalines with Maleimides via ortho-C-H Activation. <i>Journal of Organic Chemistry</i> , 2021 , 86, 2784-2795	4.2	16
65	Half-Sandwich Ruthenium Complexes of Amide-Phosphine Based Ligands: H-Bonding Cavity Assisted Binding and Reduction of Nitro-substrates. <i>Inorganic Chemistry</i> , 2021 , 60, 2009-2022	5.1	8

64	Hydrogenation of β -Unsaturated Carbonyl Compounds over Covalently Heterogenized Ru(II) Diphosphine Complexes on AlPO ₄ -Sepiolite Supports. <i>Catalysts</i> , 2021 , 11, 289	4	0
63	Ruthenium-Catalyzed Cycloadditions to Form Five-, Six-, and Seven-Membered Rings. <i>Chemical Reviews</i> , 2021 , 121, 4045-4083	68.1	11
62	Catalytic N-Alkylation of Anilines. <i>Russian Journal of General Chemistry</i> , 2021 , 91, 305-347	0.7	2
61	Synthesis of Dowex functionalised half-sandwich Ru (II) (η^6 -p-cymene) complex as effective and selective hydrogenation of furfural to levulinic acid. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	0
60	Theoretical Study of Ru-Catalysis. 2021 , 451-498		
59	Ruthenium (VIII) Catalysed Dearomative Pyridyl C π Activation: Direct Synthesis of N-Alkyl-2-pyridones. <i>Asian Journal of Organic Chemistry</i> , 2021 , 10, 1786-1794	3	0
58	Ruthenium(II)-Catalyzed Cross-Coupling of Benzoyl Formic Acids with Toluenes: Synthesis of 2-Phenylacetophenones. <i>European Journal of Organic Chemistry</i> , 2021 , 2021, 2955-2961	3.2	
57	In situ activation of therapeutics through bioorthogonal catalysis. <i>Advanced Drug Delivery Reviews</i> , 2021 , 176, 113893	18.5	7
56	Ruthenium complexes of N/O/S based multidentate ligands: Structural diversities and catalysis perspectives. <i>Journal of Organometallic Chemistry</i> , 2021 , 954-955, 122081	2.3	1
55	Electropolymerization—An Item-Centered View on Ruthenopolymers. 2021 , 187-274		
54	Polymers Incorporating Ru Complexes. 2021 , 15-185		
53	Vacuum ultraviolet enhanced atomic layer etching of ruthenium films. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2021 , 39, 012601	2.9	1
52	Metal-Terpyridine Complexes in Catalytic Application—A Spotlight on the Last Decade. <i>ChemCatChem</i> , 2020 , 12, 2890-2941	5.2	30
51	Heterogeneous Reactions in Supercritical Carbon Dioxide. 2003 , 169-179		9
50	Asymmetric catalytic hydrogenation in CO ₂ expanded methanol—An application of gas anti-solvent reactions (GASR). 2000 , 173-181		17
49	Ruthenium- and Osmium- Hydride Compounds Containing Triisopropylphosphine as Precursors for Carbon-Carbon and Carbon-Heteroatom Coupling Reactions. 2001 , 189-248		12
48	The Synthesis, Characterization and Reactivity of a Series of Ruthenium N-triphos Ph Complexes. <i>Journal of Visualized Experiments</i> , 2015 ,	1.6	1
47	Efficacy of Essential Oils on the Conidial Germination, Growth of <i>Colletotrichum gloeosporioides</i> (Penz.) Penz. and Sacc and Control of Postharvest Diseases in Papaya (<i>Carica papaya</i> L.). <i>Plant Pathology Journal</i> , 2008 , 7, 174-178	0.6	35

46	Ruthenium-Catalyzed Synthesis of Quinolines from Anilines and Tris(3-hydroxypropyl)amine via Amine Exchange Reaction. <i>Bulletin of the Korean Chemical Society</i> , 2003 , 24, 1026-1028	1.2	11
45	An Efficient Direct Synthesis of η^5 -Ferrocenylketones Catalyzed by Ruthenium. <i>Bulletin of the Korean Chemical Society</i> , 2004 , 25, 423-425	1.2	3
44	Pd/C-Catalyzed Oxidative Alkylation of Secondary Alcohols with Primary Alcohols. <i>Bulletin of the Korean Chemical Society</i> , 2005 , 26, 1611-1613	1.2	33
43	Ruthenium-Catalyzed Oxidation of Secondary Alcohols Assisted by a Simple Alkene. <i>Bulletin of the Korean Chemical Society</i> , 2005 , 26, 802-804	1.2	8
42	Synthesis of Quinolines via Pd/C-Catalyzed Cyclization of 2-Aminobenzyl Alcohol with Ketones. <i>Bulletin of the Korean Chemical Society</i> , 2005 , 26, 1286-1288	1.2	24
41	Ruthenium-Catalyzed Transfer Hydrogenation of Alkynes by Tributylamine. <i>Bulletin of the Korean Chemical Society</i> , 2009 , 30, 1931-1932	1.2	14
40	A Simple and Efficient One-Pot Three-Component Synthesis of Propargylamines Using Bismuth (III) Chloride. <i>Bulletin of the Korean Chemical Society</i> , 2012 , 33, 1556-1560	1.2	25
39	Synthesis and Catalytic Applications of Ruthenium(0) Nanoparticles in Click Chemistry. <i>Bulletin of the Korean Chemical Society</i> , 2014 , 35, 1144-1148	1.2	10
38	Novel Cyclizations of Enynes via Ruthenacyclopentene Intermediate. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2010 , 68, 348-358	0.2	0
37	Multi-Task Catalyst: Ruthenium Hydride Catalyzed Atom-Economical Bond Forming Reactions. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2010 , 68, 649-658	0.2	1
36	Recent Chemistry Based on the $[\text{RuCp}(\text{CH}_3\text{CN})_3]^+$ Cation: Reappraisal of an Old Precursor. 2001 , 17-27		
35	Cationic Ruthenium-Catalyzed Bis-Homo-Diels-Alder Cycloaddition. <i>Current Organic Synthesis</i> , 2019 , 16, 787-792	1.9	1
34	Efficient base-free hydrodehalogenation of organic halides catalyzed by a well-defined diphosphine-ruthenium(II) complex. <i>Molecular Catalysis</i> , 2021 , 516, 111953	3.3	0
33	Ruthenium-Catalyzed [2 + 2] versus Homo Diels-Alder [2 + 2 + 2] Cycloadditions of Norbornadiene and Disubstituted Alkynes: A DFT Study. <i>ACS Omega</i> , 2021 , 6, 900-911	3.9	
32	P-chirogenic Trost ligands mediated asymmetric hydrogenation of simple ketones. 2020 , 61, 152386-152386		0
31	Iron-Catalyzed Ring Opening of Cyclopropanols and Their 1,6-Conjugate Addition to α -Quinone Methides. <i>Journal of Organic Chemistry</i> , 2021 ,	4.2	1
30	A Comprehensive Experimental and Theoretical Study on the $[\{(\eta^5\text{-Cp})\text{Zr}[\text{P}(\eta^5\text{-PNEt})\text{P}(\text{NEt})\text{P}]\}]^+\text{O}$ Crystalline System. <i>Molecules</i> , 2021 , 26,	4.8	
29	A core-shell superparamagnetic metal-organic framework: a recyclable and green catalyst for the synthesis of propargylamines. <i>New Journal of Chemistry</i> , 2021 , 45, 21342-21349	3.6	0

28	Monocyclopentadienyl and Other Half-Sandwich Complexes of Iron. 2021 ,		0
27	Recent advances and perspectives in ruthenium-catalyzed cyanation reactions.. <i>Beilstein Journal of Organic Chemistry</i> , 2022 , 18, 37-52	2.5	0
26	Highly efficient, iodide catalysed propargylamines synthesis via A3 coupling reaction. <i>Results in Chemistry</i> , 2022 , 4, 100279	2.1	0
25	Efficient multicomponent synthesis of propargylamines catalyzed by Cu(I) complexes encompassing hydrazone ligands under solvent-free condition. <i>Inorganica Chimica Acta</i> , 2022 , 535, 120853	2.7	1
24	Synthesis, in Vitro and in Vivo Antitumor and Antimicrobial Activities of a Novel Schiff Base Ligand, (e)-ethyl-3-((2-((e)-(2-Hydroxybenzylidene)Amino)Ethyl)Imino)Butanoate and its Transition Metal Complexes. <i>Pharmaceutical Chemistry Journal</i> , 2022 , 55, 1378-1389	0.9	0
23	New Mechanistic Insights into the Ru-Catalyzed Asymmetric Hydrogenation of α -Ketoesters. <i>European Journal of Organic Chemistry</i> ,	3.2	
22	Ruthenium(II) Phosphine/Picolylamine Dichloride Complexes Hydrogenation and DFT Calculations. <i>Catalysts</i> , 2022 , 12, 377	4	
21	Aqueous ruthenium detection by microwave-assisted laser induced breakdown spectroscopy. <i>Plasma Science and Technology</i> ,	1.5	0
20	Recent Advances in the Catalytic N-Methylation and N-Trideuteromethylation Reactions Using Methanol and Deuterated Methanol. <i>SSRN Electronic Journal</i> ,	1	1
19	Ruthenium-Catalyzed Intermolecular Cyclization and N-methylation of Salicyl N-tosylhydrazones. <i>European Journal of Organic Chemistry</i> ,	3.2	
18	Synthesis and characterization of naphthaldiimine-based ruthenium(III) complexes; homogenous catalytic hydrogenation and isomerization of internal and terminal alkenes. <i>Journal of Coordination Chemistry</i> , 1-24	1.6	
17	Transition-metal Catalyzed Remote C(sp ³)-H Functionalization of carboxylic acid and its derivative. <i>Asian Journal of Organic Chemistry</i> ,	3	0
16	Efficient and reusable ruthenium salophen catalysts immobilized on carboxylated multi-walled carbon nanotubes for the epoxidation of hydrocarbons with sodium periodate. <i>Journal of the Iranian Chemical Society</i> , 2022 , 19, 3597-3609	2	
15	Synthesis of ruthenium complexes and their catalytic applications: A review. 2022 , 15, 104165		1
14	Experimental insights into catalytic oxidation of 1,6-hexanediol to ϵ -caprolactone over (p-cymene)RuCl ₂ (L) complexes in non-polar media.		0
13	Ruthenium-Catalyzed Direct C-H Bond Amidation of Arenes. 1-23		0
12	Solvent-Assisted Ruthenium Complex Catalyzes Hydrogenation and the Reductive Amination of Carbon Dioxide.		0
11	Ruthenium-Catalyzed Benzylic C-H Functionalization. 1-41		1

- 10 New ruthenium(ii) catalysts enable the synthesis of 2-amino-4H-chromenes using primary alcohols via acceptorless dehydrogenative coupling. 2
- 9 Recent advances in the catalytic N-methylation and N-trideuteromethylation reactions using methanol and deuterated methanol. **2023**, 474, 214827 2
- 8 Triplet Photosensitized para-Hydrogen Induced Polarization. 0
- 7 Fundamentals of chirality, resolution, and enantiopure molecule synthesis methods. 0
- 6 Selective Oxidation I Homogeneous. 0
- 5 Ruthenium-catalyzed methoxycarbonylation of styrene. **2022**, 32, 804-806 0
- 4 Ru complexes containing N -methyl-1,3,5-triaza-7-phosphaadamantane (mPTA) as catalysts for the isomerization of 2-cyclohexen-1-ol. 0
- 3 Progress and Prospects in the Ruthenium Catalyzed Allylic Amination Reactions. **2022**, 26, 1615-1625 0
- 2 Copper-catalyzed aerobic oxidation of primary alcohols to carboxylic acids. 0
- 1 Mono-nuclear ruthenium catalyst for hydrogen evolution. **2023**, 0