Robert M Reich

List of Publications by Year
in descending order

44 papers	900 citations	567281 15 h-index	501196 28 g-index
45 all docs	45 docs citations	45 times ranked	1180 citing authors

#	Article	IF	Citations
1	Organometallic and coordination rhenium compounds and their potential in cancer therapy. Coordination Chemistry Reviews, 2019, 393, 79-117.	18.8	135
2	Current advances in the catalytic conversion of carbon dioxide by molecular catalysts: an update. Dalton Transactions, 2018, 47, 13281-13313.	3.3	104
3	Current advances on ruthenium(II) N-heterocyclic carbenes in hydrogenation reactions. Coordination Chemistry Reviews, 2018, 374, 114-132.	18.8	77
4	Niobium(v) chloride and imidazolium bromides as efficient dual catalyst systems for the cycloaddition of carbon dioxide and propylene oxide. Catalysis Science and Technology, 2014, 4, 1638-1643.	4.1	59
5	Molecular Epoxidation Reactions Catalyzed by Rhenium, Molybdenum, and Iron Complexes. Chemical Record, 2016, 16, 349-364.	5.8	48
6	Highly Efficient Abnormal NHC Ruthenium Catalyst for Oppenauer-Type Oxidation and Transfer Hydrogenation Reactions. ACS Catalysis, 2019, 9, 11302-11306.	11.2	33
7	Anticancer and antibacterial properties of trinuclear Cu(I), Ag(I) and Au(I) macrocyclic NHC/urea complexes. Journal of Organometallic Chemistry, 2021, 932, 121643.	1.8	30
8	Olefin Epoxidation in Aqueous Phase Using Ionicâ€Liquid Catalysts. ChemSusChem, 2016, 9, 1773-1776.	6.8	25
9	Water-soluble transition metal complexes of ruthenium(<scp>ii</scp>), osmium(<scp>ii</scp>), rhodium(<scp>iii</scp>) and iridium(<scp>iii</scp>) with chelating N-heterocyclic carbene ligands in hydrogenation and transfer hydrogenation catalysis. Dalton Transactions, 2018, 47, 2318-2329.	3.3	22
10	Synthesis and physicochemical characterization of room temperature ionic liquids and their application in sodium ion batteries. Physical Chemistry Chemical Physics, 2018, 20, 29412-29422.	2.8	21
11	Synthesis, characterization, and biological studies of multidentate gold(<scp>i</scp>) and gold(<scp>iii</scp>) NHC complexes. Dalton Transactions, 2019, 48, 16615-16625.	3.3	19
12	Mixed tetradentate NHC/1,2,3-triazole iron complexes bearing cis labile coordination sites as highly active catalysts in Lewis and BrÃ¸nsted acid mediated olefin epoxidation. Journal of Catalysis, 2020, 383, 144-152.	6.2	19
13	Pushing the limits of activity and stability: the effects of Lewis acids on non-heme ironâ€“NHC epoxidation catalysts. Catalysis Science and Technology, 2020, 10, 3532-3536.	4.1	18
14	Cationic abnormal N-heterocyclic carbene ruthenium complexes as suitable precursors for the synthesis of heterobimetallic compounds. Dalton Transactions, 2019, 48, 79-89.	3.3	15
15	Bridge-functionalized bisimidazolium bromides as catalysts for the conversion of epoxides to cyclic carbonates with CO2. Catalysis Communications, 2019, 124, 118-122.	3.3	15
16	Tuning the electronic properties of tetradentate iron-NHC complexes: Towards stable and selective epoxidation catalysts. Journal of Catalysis, 2020, 391, 548-561.	6.2	15
17	Antiproliferative Activity of Functionalized Histidineâ€derived Au(I) bis â€NHC Complexes for Bioconjugation. Chemistry - an Asian Journal, 2020, 15, 2754-2762.	3.3	15
18	Macrocyclic NHC complexes of group 10 elements with enlarged aromaticity for biological studies. Dalton Transactions, 2020, 49, 14106-14114.	3.3	14

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19	Organometallic 3d transition metal NHC complexes in oxidation catalysis. Catalysis Science and Technology, 0, , .	4.1	14
20	Influence of structural and electronic properties of organomolybdenum(ii) complexes of the type [CpMo(CO)3R] and [CpMo(O2)(O)R] (R = Cl, CH3, CF3) on the catalytic olefin epoxidation. Catalysis Science and Technology, 2015, 5, 2282-2289.	4.1	13
21	Catalytically active perrhenate based ionic liquids: a preliminary ecotoxicity and biodegradability assessment. New Journal of Chemistry, 2015, 39, 5431-5436.	2.8	13
22	Mechanisms underlying the cytotoxic activity of syn/anti-isomers of dinuclear Au(I) NHC complexes. European Journal of Medicinal Chemistry, 2020, 203, 112576.	5.5	13
23	Dinuclear zwitterionic silver(<scp>i</scp>) and gold(<scp>i</scp>) complexes bearing 2,2-acetate-bridged bisimidazolylidene ligands. Dalton Transactions, 2019, 48, 14036-14043.	3.3	12
24	Visible-Light-Induced Dehydrohalogenative Coupling for Intramolecular Î±-Alkenylation: A Way to Build Seven- and Eight-Membered Rings. Organic Letters, 2020, 22, 4372-4377.	4.6	12
25	Kinetic studies of fluorinated aryl molybdenum(<scp>ii</scp>) tricarbonyl precursors in epoxidation catalysis. Catalysis Science and Technology, 2016, 6, 4970-4977.	4.1	11
26	Synthesis, characterization and application of organorhenium(vii) trioxides in metathesis reactions and epoxidation catalysis. Dalton Transactions, 2018, 47, 9755-9764.	3.3	10
27	Et2Zn-mediated stoichiometric C(sp)-H silylation of 1-alkynes and chlorosilanes. Tetrahedron Letters, 2019, 60, 1574-1577.	1.4	10
28	Reactivity of Re2O7 in aromatic solvents â€“ Cleavage of a Î²-O-4 lignin model substrate by Lewis-acidic rhenium oxide nanoparticles. Journal of Catalysis, 2019, 373, 190-200.	6.2	10
29	Activation of Molecular Oxygen by a Cobalt(II) Tetraâ€NHC Complex**. Chemistry - A European Journal, 2021, 27, 1311-1315.	3.3	10
30	Mimicking reactive high-valent diiron-Î¼2-oxo intermediates of nonheme enzymes by an iron tetracarbene complex. Chemical Communications, 2021, 57, 6644-6647.	4.1	10
31	Gold(I) Bis(1,2,3-triazol-5-ylidene) Complexes as Promising Selective Anticancer Compounds. Journal of Medicinal Chemistry, 2021, 64, 15747-15757.	6.4	10
32	Aryl-substituted organomolybdenum(ii) complexes as olefin epoxidation catalysts. Catalysis Science and Technology, 2015, 5, 4772-4777.	4.1	9
33	Influence of substituents on cationâ€“anion contacts in imidazolium perrhenates. Dalton Transactions, 2015, 44, 8669-8677.	3.3	9
34	Exploring different coordination modes of the first tetradentate NHC/1,2,3-triazole hybrid ligand for group 10 complexes. Dalton Transactions, 2019, 48, 14820-14828.	3.3	7
35	Improved Antiproliferative Activity and Fluorescence of a Dinuclear Gold(I) Bisimidazolylidene Complex via Anthraceneâ€Modification. Chemistry - an Asian Journal, 2020, 15, 4275-4279.	3.3	7
36	Dinuclear Gold(I) Complexes Bearing N,Nâ€²â€Allylâ€Bridged Bisimidazolylidene Ligands. Chemistry - an Asian Journal, 2020, 15, 1848-1851.	3.3	7

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37	Degradation pathways of a highly active iron(iii) tetra-NHC epoxidation catalyst. Catalysis Science and Technology, 2021, 11, 795-799.	4.1	7
38	N-alkyl ammonium perrhenate salts as catalysts for the epoxidation of olefins under mild conditions. Catalysis Communications, 2017, 100, 103-106.	3.3	6
39	Highly selective AlCl₃ initiated intramolecular Î±-alkylation of Î±,Î²-unsaturated lactams and lactones. Organic and Biomolecular Chemistry, 2019, 17, 49-52.	2.8	4
40	Ethyltrioxorhenium â€“ Catalytic application and decomposition pathways. Journal of Organometallic Chemistry, 2019, 885, 32-38.	1.8	4
41	The Effect of trans Axial Isocyanide Ligands on Iron(II) Tetraâ€NHC Complexes and their Reactivity in Olefin Epoxidation. Asian Journal of Organic Chemistry, 0, , .	2.7	3
42	Pyridine Functionalized N-Heterocyclic Silane Complexes of Iridium and Rhodiumâ€“An Unexpected Change in Coordination. Organometallics, 2018, 37, 136-144.	2.3	2
43	Reactivity Studies of a Dipyridine Ethinyl Ligand with Zinc(II). European Journal of Inorganic Chemistry, 2019, 2019, 5059-5065.	2.0	2
44	Ruthenium and Osmium Complexes Containing NHC and Ï€-Acid Ligands. , 2022, , 444-527.		1