

Fabio Zobi

List of Publications by Year in descending order

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papers

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218677
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times ranked

1789
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#	ARTICLE	IF	CITATIONS
1	CO Releasing Properties and Cytoprotective Effect of <i>cis-trans</i> -[Re ^{II} (CO) ₂ Br ₂ L ₂] ⁺ⁿ Complexes. Inorganic Chemistry, 2010, 49, 7313-7322.	4.0	118
2	CO and CO-releasing molecules in medicinal chemistry. Future Medicinal Chemistry, 2013, 5, 175-188.	2.3	97
3	17 κ^2 -rhenium dicarbonyl CO-releasing molecules on a cobalamin scaffold for biological application. Dalton Transactions, 2012, 41, 370-378.	3.3	93
4	Recent Studies on the Antimicrobial Activity of Transition Metal Complexes of Groups 6-12. Chemistry, 2020, 2, 418-452.	2.2	73
5	Red-light activated photoCORMs of Mn(κ^2) species bearing electron deficient 2,2'-azopyridines. Dalton Transactions, 2016, 45, 6920-6927.	3.3	71
6	Live-Fibroblast IR Imaging of a Cytoprotective PhotoCORM Activated with Visible Light. Journal of Medicinal Chemistry, 2013, 56, 6719-6731.	6.4	70
7	Natural Diatom Biosilica as Microshuttles in Drug Delivery Systems. Pharmaceutics, 2019, 11, 537.	4.5	65
8	Vitamin B12 as a Ligand for Technetium and Rhenium Complexes. Angewandte Chemie - International Edition, 2004, 43, 5025-5029.	13.8	63
9	Toward Novel DNA Binding Metal Complexes: Δ Structure and Basic Kinetic Data of [M(9MeG)2(CH3OH)(CO)3] ⁺ (M = ⁹⁹ Tc, Re). Inorganic Chemistry, 2003, 42, 2818-2820.	4.0	62
10	Visible Light-Activated PhotoCORMs. Inorganics, 2017, 5, 24.	2.7	53
11	Guanine and Plasmid DNA binding of Mono- and Trinuclear fac-[Re(CO)3] ⁺ Complexes with Amino Acid Ligands. ChemBioChem, 2005, 6, 1397-1405.	2.6	50
12	Reactivity of 17 κ^2 Complex [ReIIBr4(CO)2]2 κ^2 with Bridging Aromatic Ligands. Characterization and CO-Releasing Properties. Dalton Transactions, 2011, 40, 4994.	3.3	50
13	Design, synthesis and <i>in vivo</i> evaluation of 3-arylcoumarin derivatives of rhenium(I) tricarbonyl complexes as potent antibacterial agents against methicillin-resistant Staphylococcus aureus (MRSA). European Journal of Medicinal Chemistry, 2020, 205, 112533.	5.5	48
14	Heme Oxygenase-1/Carbon Monoxide System and Embryonic Stem Cell Differentiation and Maturation into Cardiomyocytes. Antioxidants and Redox Signaling, 2016, 24, 345-360.	5.4	41
15	Identification of novel potent and non-toxic anticancer, anti-angiogenic and antimetastatic rhenium complexes against colorectal carcinoma. European Journal of Medicinal Chemistry, 2020, 204, 112583.	5.5	41
16	Head-to-Head (HH) and Head-to-Tail (HT) Conformers of <i>cis</i> -Bis Guanine Ligands Bound to the [Re(CO)3] ⁺ Core. Inorganic Chemistry, 2004, 43, 2087-2096.	4.0	40
17	Slow-targeted release of a ruthenium anticancer agent from vitamin B ₁₂ functionalized marine diatom microalgae. Dalton Transactions, 2018, 47, 17221-17232.	3.3	40
18	Synthesis and Reactivity of the 17 κ^2 Complex [ReIIBr4(CO)2]2 κ^2 : A Convenient Entry into Rhenium(II) Chemistry. Inorganic Chemistry, 2009, 48, 8965-8970.	4.0	37

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19	Synthesis, characterization and cellular location of cytotoxic constitutional organometallic isomers of rhenium delivered on a cyanocobalmin scaffold. Dalton Transactions, 2015, 44, 6999-7008.	3.3	37
20	Post-Protein-Binding Reactivity and Modifications of the $[\text{Re}(\text{CO})_3]^+$ Core. Inorganic Chemistry, 2012, 51, 1210-1212.	4.0	32
21	Modified biovectors for the tuneable activation of anti-platelet carbon monoxide release. Chemical Communications, 2017, 53, 6840-6843.	4.1	32
22	Anticancer and Antibiotic Rhenium Tri- and Dicarbonyl Complexes: Current Research and Future Perspectives. Molecules, 2022, 27, 539.	3.8	31
23	Three-Dimensional Mid-Infrared Tomographic Imaging of Endogenous and Exogenous Molecules in a Single Intact Cell with Subcellular Resolution. Angewandte Chemie - International Edition, 2015, 54, 318-322.	13.8	30
24	Ligand Electronic Parameters as a Measure of the Polarization of the $\text{C}\equiv\text{O}$ Bond in $[\text{M}(\text{CO})_n\text{L}]^n$ Complexes and of the Relative Stabilization of $[\text{M}(\text{CO})_n\text{L}]^{n+1}$ Species. Inorganic Chemistry, 2010, 49, 10370-10377.	4.0	29
25	Binding Interaction of $[\text{Re}(\text{H}_2\text{O})_3(\text{CO})_3]^+$ with the DNA Fragment d(CpGpG). Inorganic Chemistry, 2007, 46, 10458-10460.	4.0	28
26	Photoactivatable Surface-Functionalized Diatom Microalgae for Colorectal Cancer Targeted Delivery and Enhanced Cytotoxicity of Anticancer Complexes. Pharmaceutics, 2020, 12, 480.	4.5	28
27	Organometallic cobalamin anticancer derivatives for targeted prodrug delivery via transcobalamin-mediated uptake. Dalton Transactions, 2017, 46, 2159-2164.	3.3	26
28	Combating AMR: A molecular approach to the discovery of potent and non-toxic rhenium complexes active against C. Albicans-MRSA co-infection. European Journal of Medicinal Chemistry, 2021, 226, 113858.	5.5	26
29	Cytotoxicity of Mn-based photoCORMs of ethynyl-diimine ligands against different cancer cell lines: The key role of CO-depleted metal fragments. Journal of Inorganic Biochemistry, 2020, 209, 111122.	3.5	24
30	Heptacoordinate Co^{II} Complex: A New Architecture for Photochemical Hydrogen Production. Chemistry - A European Journal, 2017, 23, 6768-6771.	3.3	23
31	Binding of 9-Methylguanine to $[\text{cis-Ru}(\text{2,2}'\text{-bpy})_2]^{2+}$: First X-ray Structure of acis-Bis Purine Complex of Ruthenium. Inorganic Chemistry, 2004, 43, 2771-2772.	4.0	21
32	Evaluation of the Potential of Cobalamin Derivatives Bearing Ru(II) Polypyridyl Complexes as Photosensitizers for Photodynamic Therapy. Helvetica Chimica Acta, 2019, 102, e1900104.	1.6	21
33	Parametrization of the Contribution of Mono- and Bidentate Ligands on the Symmetric $\text{C}\equiv\text{O}$ Stretching Frequency of $[\text{Re}(\text{CO})_3]^+$ Complexes. Inorganic Chemistry, 2009, 48, 10845-10855.	4.0	20
34	Towards Cardiolite-Inspired Carbon Monoxide Releasing Molecules - Reactivity of d4, d5Rhenium and d6Manganese Carbonyl Complexes with Isocyanide Ligands. European Journal of Inorganic Chemistry, 2015, 2015, 5628-5638.	2.0	20
35	Syntheses, Structures and Reactivities of $[\text{CpTc}(\text{CO})_3\text{X}]^+$ and $[\text{CpRe}(\text{CO})_3\text{X}]^+$. European Journal of Inorganic Chemistry, 2008, 2008, 4205-4214.	2.0	19
36	N-Nitrosamine- $\{[\text{cis-Re}(\text{CO})_2]^+ \}^2+$ cobalamin conjugates as mixed CO/NO-releasing molecules. Dalton Transactions, 2016, 45, 1504-1513.	3.3	19

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37	Quantum-CORMs: quantum dot sensitized CO releasing molecules. Dalton Transactions, 2015, 44, 10928-10931.	3.3	18
38	Correlation of MLCTs of Group 7 fac -[M(CO) ₃] ⁺ Complexes (M = Mn, Re) with Bipyridine, Pyridinylpyrazine, Azopyridine, and Pyridin-2-ylmethanimine Type Ligands for Rational photoCORM Design. European Journal of Inorganic Chemistry, 2019, 2019, 3758-3768.	2.0	18
39	Tagging (Arene)ruthenium(II) Anticancer Complexes with Fluorescent Labels. European Journal of Inorganic Chemistry, 2007, 2007, 2783-2796.	2.0	17
40	Formation and Reactivity of [(tacn)-N-CO-Re ^{III} Br(CO) ₂] ⁺ in Water: a Theoretical and Experimental Study. Inorganic Chemistry, 2009, 48, 4963-4970.	4.0	16
41	Resonance Raman Optical Activity Shows Unusual Structural Sensitivity for Systems in Resonance with Multiple Excited States: Vitamin B ₁₂ Case. Journal of Physical Chemistry Letters, 2020, 11, 5037-5043.	4.6	15
42	Diatom Biosilica in Targeted Drug Delivery and Biosensing Applications: Recent Studies. Micro, 2022, 2, 342-360.	2.0	15
43	Structure, reactivity and solution behaviour of [Re(ser)(7-MeC)(CO) ₃] and [Re(ser)(3-pic)(CO) ₃]: nucleoside-mimicking complexes based on the fac-[Re(CO) ₃] ⁺ moiety. Dalton Transactions, 2005, , 2859.	3.3	14
44	Correlation of surface pressure and hue of planarizable push-pull chromophores at the air/water interface. Beilstein Journal of Organic Chemistry, 2017, 13, 1099-1105.	2.2	14
45	Iron complexes of borylated vicinal dioxime macrocycles. Coordination Chemistry Reviews, 2002, 233-234, 273-287.	18.8	13
46	Antiplasmodial Activity and In Vivo Bio-Distribution of Chloroquine Molecules Released with a 4-(4-Ethynylphenyl)-Triazole Moiety from Organometallo-Cobalamins. Molecules, 2019, 24, 2310.	3.8	13
47	Surface functionalization of cadmium sulfide quantum confined nanoclusters: Evidence of facile electronic communication between remote surface sites. Polyhedron, 2000, 19, 331-341.	2.2	11
48	Ligand-mediated decarbonylation as an efficient synthetic method to Re(i) and Re(ii) dicarbonyl complexes. Dalton Transactions, 2008, , 5287.	3.3	11
49	Interaction of Mono- and Dinuclear Metal Complexes with Mono- and Oligonucleotides for Analytical, Radio- and Chemotoxic Purposes. Chimia, 2005, 59, 826-831.	0.6	10
50	Post-protein binding metal-mediated coupling of an acridine orange-based fluorophore. Metallomics, 2012, 4, 253.	2.4	10
51	Nuclear respiratory factor-1 negatively regulates TGF- β 1 and attenuates pulmonary fibrosis. IScience, 2022, 25, 103535.	4.1	10
52	Photochemistry of Rhenium(I) Diimine Tricarbonyl Complexes in Biological Applications. Chimia, 2021, 75, 837.	0.6	9
53	Hetero trinuclear oxo-bridged complexes of ruthenium porphyrin and iron phthalocyanine. Canadian Journal of Chemistry, 2001, 79, 795-801.	1.1	7
54	Rhenium(I) derivatives of aminoquinoline and imidazolopiperidine-based ligands: Synthesis, in vitro and in silico biological evaluation against Plasmodium falciparum. Journal of Inorganic Biochemistry, 2022, 234, 111905.	3.5	7

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55	cis-(2,2'-Bipyridine)bis[2-(2-pyridyl)-4-methoxycarbonylquinoline]ruthenium(II) hexafluorophosphate. Acta Crystallographica Section E: Structure Reports Online, 2001, 57, m274-m276.	0.2	6
56	Neovascularization Effects of Carbon Monoxide Releasing Drugs Chemisorbed on Coscinodiscus Diatoms Carriers Characterized by Spectromicroscopy Imaging. Applied Sciences (Switzerland), 2020, 10, 7380.	2.5	6
57	Aerobically stable and substitutionally labile Λ^2 -diimine rhenium dicarbonyl complexes. RSC Advances, 2021, 11, 7511-7520.	3.6	6
58	Two- and Three-dimensional Mid-Infrared Chemical Imaging. Chimia, 2017, 71, 32.	0.6	5
59	Non-destructive molecular FTIR spectromicroscopy for real time assessment of redox metallodrugs. Analytical Methods, 2022, 14, 1094-1102.	2.7	5
60	Redox-Induced Binding of $[(\text{tacn})\text{Re}^{\text{II}}\text{Br}(\text{CO})_2]^+$ to Guanine, Oligonucleotides, and Peptides. Chemistry - A European Journal, 2010, 16, 2710-2713.	3.3	4
61	A Different 'Spin' on Rhenium Chemistry. Synthetic Approaches and Perspectives of 17-Electron Rhenium Complexes. Chimia, 2010, 64, 259.	0.6	3
62	Efficient Direct Nitrosylation of Λ^2 -Diimine Rhenium Tricarbonyl Complexes to Structurally Nearly Identical Higher Charge Congeners Activable towards Photo-CO Release. Molecules, 2021, 26, 5302.	3.8	3