

Fabio Zobi

List of Publications by Year in descending order

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62
papers

1,874
citations

218662

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276858

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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] ⁺ Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 7313-7322.	4.0	118
2	CO and CO-releasing molecules in medicinal chemistry. <i>Future Medicinal Chemistry</i> , 2013, 5, 175-188.	2.3	97
3	17 ^{99m} Tc dicarbonyl CO-releasing molecules on a cobalamin scaffold for biological application. <i>Dalton Transactions</i> , 2012, 41, 370-378.	3.3	93
4	Recent Studies on the Antimicrobial Activity of Transition Metal Complexes of Groups 6-12. <i>Chemistry</i> , 2020, 2, 418-452.	2.2	73
5	Red-light activated photoCORMs of Mn(^I) species bearing electron deficient 2,2'-azopyridines. <i>Dalton Transactions</i> , 2016, 45, 6920-6927.	3.3	71
6	Live-Fibroblast IR Imaging of a Cytoprotective PhotoCORM Activated with Visible Light. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 6719-6731.	6.4	70
7	Natural Diatom Biosilica as Microshuttles in Drug Delivery Systems. <i>Pharmaceutics</i> , 2019, 11, 537.	4.5	65
8	Vitamin B12 as a Ligand for Technetium and Rhenium Complexes. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5025-5029.	13.8	63
9	Toward Novel DNA Binding Metal Complexes: Structure and Basic Kinetic Data of [M(9MeG) ₂ (CH ₃ OH)(CO) ₃] ⁺ (M = ^{99m} Tc, Re). <i>Inorganic Chemistry</i> , 2003, 42, 2818-2820.	4.0	62
10	Visible Light-Activated PhotoCORMs. <i>Inorganics</i> , 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. <i>ChemBioChem</i> , 2005, 6, 1397-1405.	2.6	50
12	Reactivity of 17 ^{99m} Tc Complex [ReI(Br ₄ (CO) ₂) ₂] ⁺ with Bridging Aromatic Ligands. Characterization and CO-Releasing Properties. <i>Dalton Transactions</i> , 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 <i>Staphylococcus aureus</i> (MRSA). <i>European Journal of Medicinal Chemistry</i> , 2020, 205, 112533.	5.5	48
14	Heme Oxygenase-1/Carbon Monoxide System and Embryonic Stem Cell Differentiation and Maturation into Cardiomyocytes. <i>Antioxidants and Redox Signaling</i> , 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. <i>European Journal of Medicinal Chemistry</i> , 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. <i>Inorganic Chemistry</i> , 2004, 43, 2087-2096.	4.0	40
17	Slow-targeted release of a ruthenium anticancer agent from vitamin B ₁₂ functionalized marine diatom microalgae. <i>Dalton Transactions</i> , 2018, 47, 17221-17232.	3.3	40
18	Synthesis and Reactivity of the 17 ^{99m} Tc Complex [ReI(Br ₄ (CO) ₂) ₂] ⁺ : A Convenient Entry into Rhenium(II) Chemistry. <i>Inorganic Chemistry</i> , 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. <i>Dalton Transactions</i> , 2015, 44, 6999-7008.	3.3	37
20	Post-Protein-Binding Reactivity and Modifications of the $[\text{Re}(\text{CO})_3]^+$ Core. <i>Inorganic Chemistry</i> , 2012, 51, 1210-1212.	4.0	32
21	Modified biovectors for the tuneable activation of anti-platelet carbon monoxide release. <i>Chemical Communications</i> , 2017, 53, 6840-6843.	4.1	32
22	Anticancer and Antibiotic Rhenium Tri- and Dicarbonyl Complexes: Current Research and Future Perspectives. <i>Molecules</i> , 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. <i>Angewandte Chemie - International Edition</i> , 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. <i>Inorganic Chemistry</i> , 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 $d(\text{CpGpG})$. <i>Inorganic Chemistry</i> , 2007, 46, 10458-10460.	4.0	28
26	Photoactivatable Surface-Functionalized Diatom Microalgae for Colorectal Cancer Targeted Delivery and Enhanced Cytotoxicity of Anticancer Complexes. <i>Pharmaceutics</i> , 2020, 12, 480.	4.5	28
27	Organometallic cobalamin anticancer derivatives for targeted prodrug delivery via transcobalamin-mediated uptake. <i>Dalton Transactions</i> , 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 <i>C. Albicans</i> -MRSA co-infection. <i>European Journal of Medicinal Chemistry</i> , 2021, 226, 113858.	5.5	26
29	Cytotoxicity of Mn-based photoCORMs of ethynyl- \pm -diimine ligands against different cancer cell lines: The key role of CO-depleted metal fragments. <i>Journal of Inorganic Biochemistry</i> , 2020, 209, 111122.	3.5	24
30	Heptacoordinate Co^{II} Complex: A New Architecture for Photochemical Hydrogen Production. <i>Chemistry - A European Journal</i> , 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 <i>acis</i> -Bis Purine Complex of Ruthenium. <i>Inorganic Chemistry</i> , 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. <i>Helvetica Chimica Acta</i> , 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. <i>Inorganic Chemistry</i> , 2009, 48, 10845-10855.	4.0	20
34	Towards Cardiolite-Inspired Carbon Monoxide Releasing Molecules - Reactivity of d_4 , d_5 Rhenium and d_6 Manganese Carbonyl Complexes with Isocyanide Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 5628-5638.	2.0	20
35	Syntheses, Structures and Reactivities of $[\text{CpTc}(\text{CO})_3\text{X}]^+$ and $[\text{CpRe}(\text{CO})_3\text{X}]^+$. <i>European Journal of Inorganic Chemistry</i> , 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. <i>Dalton Transactions</i> , 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 $\hat{\pm}$ -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 $\hat{\pm}$ -Diimine Rhenium Tricarbonyl Complexes to Structurally Nearly Identical Higher Charge Congeners Activable towards Photo-CO Release. Molecules, 2021, 26, 5302.	3.8	3