

Roger A Alberto

List of Publications by Year in descending order

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271
papers

12,438
citations

22153

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32842

100
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301
all docs

301
docs citations

301
times ranked

7282
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioorganometallic Technetium and Rhenium Chemistry: Fundamentals for Applications. <i>Chimia</i> , 2022, 74, 953.	0.6	13
2	Naphthalene Exchange in [Re(η^6 -napht) ₂] ⁺ with Pharmaceuticals Leads to Highly Functionalized Sandwich Complexes [M(η^6 -pharm) ₂] ⁺ (M=Re/ ^{99m} Tc). <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	9
3	A Multi-Functional Tool - Cyclopentadienyl Re and ^{99m} Tc Complex Synthesis on Highly Functionalised Arenes. <i>Journal of Organometallic Chemistry</i> , 2022, 962, 122281.	1.8	0
4	Watching Hydrogens Migrate: Step by Step from [Re(η^6 -C ₆ H ₆) ₂] ⁺ to [Re(η^3 -C ₆ H ₉)(η^6 -C ₆ H ₆)(NCCH ₃) ₃] ⁺ Inorganic Chemistry, 2022, 61, 3683-3689.	4.0	4
5	An isoindoline bridged [M(η^6 -arene) ₂] ⁺ (M = Re, ^{99m} Tc) <i>ansa</i> -arenophane and its dinuclear macrocycles with axial chirality. <i>Dalton Transactions</i> , 2022, 51, 9591-9595.	3.3	2
6	Complexes of orotic acid and derivatives with the fac-[M(CO) ₃] ⁺ (M=Re and ^{99m} Tc) core as radiopharmaceutical probes. <i>Inorganica Chimica Acta</i> , 2022, 539, 121037.	2.4	1
7	Organometallic Chemistry of Drugs Based on Technetium and Rhenium. , 2021, , .		4
8	Probing BRD Inhibition Substituent Effects in Bulky Analogues of (+)- β -Q1. <i>Helvetica Chimica Acta</i> , 2021, 104, e2000214.	1.6	1
9	Cobalt Complexes of Polypyridyl Ligands for the Photocatalytic Hydrogen Evolution Reaction. <i>Chimia</i> , 2021, 75, 180-187.	0.6	0
10	Exploring the Coordination Chemistry of N ₂ with Technetium PNP Pincer-Type Complexes. <i>Inorganic Chemistry</i> , 2021, 60, 6696-6701.	4.0	7
11	Convenient Cyclopentadiene Modifications for Building Versatile (Radio) ϵ Metal Cyclopentadienyl Frameworks. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 1611-1614.	2.0	5
12	cis-Locked Ru(II)-DMSO Precursors for the Microwave-Assisted Synthesis of Bis-Heteroleptic Polypyridyl Compounds. <i>Inorganic Chemistry</i> , 2021, 60, 7180-7195.	4.0	3
13	[Re(η^6 -6 H 5 ϵ -benzimidazole) ₂] ⁺ and Derivatives as Dye Mimics; Synthesis, UV Absorption Studies and DFT Calculations. <i>European Journal of Inorganic Chemistry</i> , 2021, 2021, 2493-2498.	2.0	0
14	Bioorganometallics: ^{99m} Tc cyctetrenes, syntheses and applications in nuclear medicine. <i>Coordination Chemistry Reviews</i> , 2021, 437, 213869.	18.8	7
15	The crystal structure of <i>cis</i> -diaqua- <i>bis</i> -(<i>N</i> -butyl- <i>N</i> -(pyridin-2-yl)pyridin-2-amine- λ^5 - λ^6 -cobalt(II)) dichloride trihydrate, C ₂₈ H ₄₄ Cl ₂ N ₆ O ₅ Co. <i>Zeitschrift Fur Metallkunde - New Crystal Structures</i> , 2021, 236, 1065-1068.	0.3	0
16	Relativity as a Synthesis Design Principle: A Comparative Study of [3 + 2] Cycloaddition of Technetium(VII) and Rhenium(VII) Trioxo Complexes with Olefins. <i>Inorganic Chemistry</i> , 2021, 60, 11090-11097.	4.0	8
17	Efficient Alkaline Water Oxidation with a Regenerable Nickel Pseudo-Complex. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 48661-48668.	8.0	6
18	Exploring preliminary structural relationships and mitochondrial targeting of <i>fac</i> -[M(^{99m} Tc)(CO) ₃]-bis(diarylphosphino)alkylamine complexes (M =) Tj ETQq0 0 0 rgBTz/overlock#10 Tf 50 5		

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19	Excited-state structure of copper phenanthroline-based photosensitizers. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 26729-26736.	2.8	6
20	Organometallic small molecule kinase inhibitors – direct incorporation of Re and ^{99m} Tc into Opaganib®. <i>Chemical Communications</i> , 2021, 57, 13349-13352.	4.1	4
21	New approach for the synthesis of water soluble fac-[M(CO) ₃]+ bis(diarylphosphino)alkylamine complexes (M = ^{99m} Tc, Re). <i>Dalton Transactions</i> , 2021, 50, 17506-17514.	3.3	7
22	To Sandwich Technetium: Highly Functionalized Bis(arene) Tc(^{99m} Tc(η ⁶ -C ₆ H ₆) ₂) ⁺ Directly from Water and [^{99m} TcO ₄] ⁻ . <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1197-1200.	13.8	24
23	To Sandwich Technetium: Highly Functionalized Bis(arene) Complexes [^{99m} Tc(η ⁶ -C ₆ H ₆) ₂] ⁺ Directly from Water and [^{99m} TcO ₄] ⁻ . <i>Angewandte Chemie</i> , 2020, 132, 1213-1216.	2.0	2
24	CO ₂ to CO: Photo- and Electrocatalytic Conversion Based on Re(I) Bis(arene) Frameworks: Synergisms Between Catalytic Subunits. <i>Helvetica Chimica Acta</i> , 2020, 103, e2000147.	1.6	2
25	Expanding the Cyclopentadienyl Framework: ^{99m} Tc/Re Complexes with Orthogonal Functions for Bioconjugation. <i>Bioconjugate Chemistry</i> , 2020, 32, 1393-1398.	3.6	3
26	Synthesis and Reactivity of the Rhenium Fulvene Sandwich Complex [Re(η ⁶ -C ₅ H ₄ CH ₂)(η ⁶ -C ₆ H ₆)] ⁺ . <i>Organometallics</i> , 2020, 39, 2713-2718.	2.3	3
27	Fully Solvated, Monomeric Re(II) Complexes: Insights into the Chemistry of [Re(NCCH ₃) ₃] ₂ . <i>Inorganic Chemistry</i> , 2020, 59, 17600-17607.	4.0	7
28	Dynamic dimer–monomer equilibrium in a cycloruthenated complex of [Re(η ⁶ -C ₆ H ₆ -C ₆ H ₆ -H ₆) ₂] ⁺ . <i>Chemical Communications</i> , 2020, 56, 10658-10661.	4.1	2
29	Light-Activated Carbon Monoxide Prodrugs Based on Bipyridyl Dicarboxyl Ruthenium(II) Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, 10992-11006.	3.3	13
30	Synergizing hole accumulation and transfer on composite Ni/CoO _x for photoelectrochemical water oxidation. <i>Chemical Communications</i> , 2020, 56, 10179-10182.	4.1	3
31	The –Carbonyl Story– and Beyond; Experiences, Lessons and Implications. <i>ChemBioChem</i> , 2020, 21, 2743-2749.	2.6	17
32	Frontispiece: Light-Activated Carbon Monoxide Prodrugs Based on Bipyridyl Dicarboxyl Ruthenium(II) Complexes. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0
33	Mechanistic insights into photocatalysis and over two days of stable H ₂ generation in electrocatalysis by a molecular cobalt catalyst immobilized on TiO ₂ . <i>Catalysis Science and Technology</i> , 2020, 10, 2549-2560.	4.1	7
34	Shedding Light on the Molecular Surface Assembly at the Nanoscale Level: Dynamics of a Re(I) Carbonyl Photosensitizer with a Coadsorbed Cobalt Tetrapyrrolyl Water Reduction Catalyst on ZrO ₂ . <i>Journal of Physical Chemistry C</i> , 2020, 124, 12502-12511.	3.1	5
35	Operation of a bending magnet beamline in large energy bandwidth mode for non-resonant X-ray emission spectroscopy. <i>Results in Physics</i> , 2020, 18, 103212.	4.1	4
36	Single crystal growth of water-soluble metal complexes with the help of the nano-crystallization method. <i>Dalton Transactions</i> , 2020, 49, 9632-9640.	3.3	4

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37	[Re(η^6 -arene) ₂] ⁺ as a highly stable ferrocene-like scaffold for ligands and complexes. Dalton Transactions, 2020, 49, 5250-5256.	3.3	6
38	Crystal structure of hexacarbonyl-(η^4 -methanoato-k ²) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 717 Td (<i>O</i> /	0.3	0
39	C ₄₂ H ₄₅ NO ₈ P ₂ Re ₂ . Zeitschrift Fur Kristallographie - New Crystal Structures, 2020, 235, 303-305. Influence of Hetero π -Biaryl Ligands on the Photo π -Electrochemical Properties of [Re ^I ClNCS(N ⁺)(CO) ₃] π -Type Photosensitizers. European Journal of Inorganic Chemistry, 2019, 2019, 3518-3525.	2.0	7
40	Comparative Study of the Different Anchoring of Organometallic Dyes on Ultrathin Alumina. Journal of Physical Chemistry C, 2019, 123, 22250-22260.	3.1	6
41	Water-soluble carbonyl complexes of ⁹⁹ Tc(I) and Re(I) with adamantane-cage aminophosphines PTA and CAP. Journal of Organometallic Chemistry, 2019, 896, 83-89.	1.8	10
42	Structures of rhenium(I) complexes with 3-hydroxyflavone and benzhydroxamic acid as π - π -bidentate ligands and confirmation of π -stacking by solid-state NMR spectroscopy. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 378-387.	0.5	6
43	Chemistry at High Dilution: Dinuclear ^{99m} Tc Complexes. Chemistry - A European Journal, 2019, 25, 7101-7104.	3.3	14
44	Zirconium chloride molecular species: combining electron impact mass spectrometry and first principles calculations. SN Applied Sciences, 2019, 1, 1.	2.9	1
45	Technetium and Rhenium Complexes with Aromatic Hydrocarbons as Ligands. , 2019, , 215-241.		2
46	[Co μ (BPYPy ₂ COH)(OH ₂) ₂] ²⁺ : A Catalytic Pourbaix Diagram and AIMD Simulations on Four Key Intermediates. Chimia, 2019, 73, 906.	0.6	1
47	Towards ^{99m} Tc- and Re-Based Multifunctional Silica Platforms for Theranostic Applications. Inorganics, 2019, 7, 134.	2.7	5
48	Combined orbital tomography study of multi-configurational molecular adsorbate systems. Nature Communications, 2019, 10, 5255.	12.8	26
49	Two is better than one: difunctional high-affinity PSMA probes based on a [CpM(CO) ₃] (M =) Tj ETQq1 1 0.784314 rgBT	3.3	22
50	Self π -Assembled Multinuclear Complexes Incorporating ^{99m} Tc. Chemistry - A European Journal, 2018, 24, 10397-10402.	3.3	15
51	Multifunctional Cyclopentadienes as a Scaffold for Combinatorial Bioorganometallics in [(η^5 -C ₅ H ₂ R ₁ R ₂ R ₃)M(CO) ₃] (M=Re, ^{99m} Tc) Piano π -Stool Complexes. Chemistry - A European Journal, 2018, 24, 10156-10164.		29
52	Photo π -Driven Hydrogen Evolution by an Artificial Hydrogenase Utilizing the Biotin π -Streptavidin Technology. Helvetica Chimica Acta, 2018, 101, e1800036.	1.6	11
53	The Nature of the Technetium Species Formed During the Oxidation of Technetium Dioxide with Oxygen and Water. European Journal of Inorganic Chemistry, 2018, 2018, 1137-1144.	2.0	8
54	Ultrafast Ligand Self-Exchanging Gadolinium Complexes in Ionic Liquids for NMR Field Probes. Inorganic Chemistry, 2018, 57, 2314-2319.	4.0	5

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55	From oxo to carbonyl and arene complexes; A journey through technetium chemistry. <i>Journal of Organometallic Chemistry</i> , 2018, 869, 264-269.	1.8	13
56	Light-Induced H ₂ Evolution with a Macrocyclic Cobalt Diketo-Pyrphyrin as a Proton-Reducing Catalyst. <i>Inorganic Chemistry</i> , 2018, 57, 1651-1655.	4.0	35
57	Nuclearity manipulation in Schiff-base fac-tricarbonyl complexes of Mn(I) and Re(I). <i>Inorganica Chimica Acta</i> , 2018, 471, 249-256.	2.4	19
58	Direct Synthesis of Non-Alkyl Functionalized Bis-Arene Complexes of Rhenium and ^{99m} Tc. <i>Organometallics</i> , 2018, 37, 2910-2916.	2.3	14
59	Synthesis of [⁹⁹ TcX(CO) ₅] (X = Cl, Br, I) at ambient pressure. <i>Journal of Organometallic Chemistry</i> , 2018, 871, 56-59.	1.8	8
60	Structure of the Co ^I Intermediate of a Cobalt Pentapyridyl Catalyst for Hydrogen Evolution Revealed by Time-Resolved X-ray Spectroscopy. <i>ChemSusChem</i> , 2018, 11, 3087-3091.	6.8	10
61	Teaching Fundamental Aspects of Natural and Artificial Photosynthesis in Higher Education. <i>Chimia</i> , 2018, 72, 16.	0.6	0
62	On-Surface Metalation and 2D Self-Assembly of Pyrphyrin Molecules Into Metal-Coordinated Networks on Cu(111). <i>Helvetica Chimica Acta</i> , 2017, 100, e1600278.	1.6	6
63	Cyclic RGD penta-peptides cRGDyK derivatized with cyclopentadienyl complexes of technetium and rhenium as radiopharmaceutical probes. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2017, 60, 394-400.	1.0	6
64	A Mixed-Ring Sandwich Complex from Unexpected Ring Contraction in [Re(⁶ I-C ₆ H ₅ Br)(⁶ I-C ₆ R ₆)](PF ₆) ₂ . <i>Inorganic Chemistry</i> , 2017, 56, 6297-6301.	6.0	28
65	Insight into the structure and stability of Tc and Re DMSA complexes: A computational study. <i>Journal of Molecular Graphics and Modelling</i> , 2017, 71, 167-175.	2.4	9
66	The impact of metalation on adsorption geometry, electronic level alignment and UV-stability of organic macrocycles on TiO ₂ (110). <i>Nanoscale</i> , 2017, 9, 8756-8763.	5.6	7
67	Ultrafast Vibrational Energy Transfer in Catalytic Monolayers at Solid-Liquid Interfaces. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2489-2495.	4.6	31
68	Ruthenium Water Oxidation Catalysts based on Pentapyridyl Ligands. <i>ChemSusChem</i> , 2017, 10, 4517-4525.	6.8	32
69	Atomically Resolved Band Bending Effects in a p-n Heterojunction of Cu ₂ O and a Cobalt Macrocycle. <i>Nano Letters</i> , 2017, 17, 6620-6625.	9.1	10
70	Structure-Activity and Stability Relationships for Cobalt Polypyridyl-Based Hydrogen-Evolving Catalysts in Water. <i>ChemSusChem</i> , 2017, 10, 4570-4580.	6.8	47
71	Structure and reactivities of rhenium and technetium bis-arene sandwich complexes [M(⁶ I-arene) ₂] ⁺ . <i>Dalton Transactions</i> , 2017, 46, 14631-14637.	3.3	26
72	Atomically dispersed hybrid nickel-iridium sites for photoelectrocatalysis. <i>Nature Communications</i> , 2017, 8, 1341.	12.8	37

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73	Biological Evaluation of <i>l</i> -Tyrosine Labelled with fac-[^{99m} Tc(CO) ₃]+at a para-OH-Coupled 2,3-Diaminopropionic Acid Based Chelator. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 1772-1777.	2.0	0
74	Organometallic Rhenium Complexes Divert Doxorubicin to the Mitochondria. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2792-2795.	13.8	98
75	Kinetics and Mechanism of CO Exchange in <i>trans</i> -[MBr ₂ (solvent)(CO) ₃] ⁺ (M = Re, ⁹⁹ Tc). <i>Inorganic Chemistry</i> , 2016, 55, 9352-9360.	4.0	16
76	Bis-Arene Complexes [Re(⁶ -arene) ₂] ⁺ as Highly Stable Bioorganometallic Scaffolds. <i>Inorganic Chemistry</i> , 2016, 55, 11131-11139.	4.0	23
77	Clean Donor Oxidation Enhances the H ₂ Evolution Activity of a Carbon Quantum Dot-Molecular Catalyst Photosystem. <i>Angewandte Chemie</i> , 2016, 128, 9548-9552.	2.0	18
78	Clean Donor Oxidation Enhances the H ₂ Evolution Activity of a Carbon Quantum Dot-Molecular Catalyst Photosystem. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9402-9406.	13.8	93
79	Ruthenium water oxidation catalysts containing the non-planar tetradentate ligand, bisquinoline dicarboxylic acid (biqaH ₂). <i>Dalton Transactions</i> , 2016, 45, 19361-19367.	3.3	25
80	Quantum chemistry calculations of technetium and rhenium compounds with application in radiopharmacy: review. <i>RSC Advances</i> , 2016, 6, 107127-107140.	3.6	12
81	Ditechnetium Heptoxide Revisited: Solid-State, Gas-Phase, and Theoretical Studies. <i>Inorganic Chemistry</i> , 2016, 55, 10445-10452.	4.0	17
82	Synthesis and Molecular Structure of ⁹⁹ Tc Corroles. <i>Chemistry - A European Journal</i> , 2016, 22, 18747-18751.	3.3	29
83	Organometallic Rhenium Complexes Divert Doxorubicin to the Mitochondria. <i>Angewandte Chemie</i> , 2016, 128, 2842-2845.	2.0	24
84	Quinones as Reversible Electron Relays in Artificial Photosynthesis. <i>ChemPhysChem</i> , 2016, 17, 1321-1328.	2.1	26
85	From porphyrins to pyrphyrins: adsorption study and metalation of a molecular catalyst on Au(111). <i>Nanoscale</i> , 2016, 8, 7958-7968.	5.6	29
86	Cellular uptake of metallated cobalamins. <i>Metallomics</i> , 2016, 8, 298-304.	2.4	18
87	Thiourea Derivatives as Potent Inhibitors of Aluminum Corrosion: Atomic-Level Insight into Adsorption and Inhibition Mechanisms. <i>Journal of Physical Chemistry C</i> , 2016, 120, 1770-1777.	3.1	27
88	^{99m} Tc Radiolabeling and Biological Evaluation of Nanoparticles Functionalized with a Versatile Coating Ligand. <i>Chemistry - A European Journal</i> , 2015, 21, 6090-6099.	3.3	28
89	Re(I) and Tc(I) Complexes for Targeting Nitric Oxide Synthase: Influence of the Chelator in the Affinity for the Enzyme. <i>Chemical Biology and Drug Design</i> , 2015, 86, 1072-1086.	3.2	8
90	Sn ^{IV} Metalloporphyrin/Co ^{III} Complex: An All-Abundant-Element System for the Photocatalytic Production of H ₂ in Aqueous Solution. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13698-13706.	2.6	23

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91	From Tc ^{VII} to Tc ^I ; facile syntheses of bis-arene complexes [^{99m} Tc(arene) ₂] ⁺ from pertechnetate. <i>Chemical Science</i> , 2015, 6, 165-169.	7.4	49
92	Closing the pressure gap in x-ray photoelectron spectroscopy by membrane hydrogenation. <i>Review of Scientific Instruments</i> , 2015, 86, 053104.	1.3	13
93	Nuclear Targeting with an Auger Electron Emitter Potentiates the Action of a Widely Used Antineoplastic Drug. <i>Bioconjugate Chemistry</i> , 2015, 26, 2397-2407.	3.6	46
94	Mechanism of Photocatalytic Hydrogen Generation by a Polypyridyl-Based Cobalt Catalyst in Aqueous Solution. <i>Inorganic Chemistry</i> , 2015, 54, 646-657.	4.0	117
95	Cyclopentadienyl Chemistry in Water: Synthesis and Properties of Bifunctionalized [(⁵ -C ₅ H ₃ {COOR} ₂)M(CO) ₃] (M = Re and Tc) <i>ETQq1 1 0.784314 rgB</i>	2.1	18
96	Fluorescent sensing of ^{99m} Tc pertechnetate in water. <i>Chemical Science</i> , 2014, 5, 1820-1826.	7.4	57
97	Synthesis of tripeptide derivatized cyclopentadienyl complexes of technetium and rhenium as radiopharmaceutical probes. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1966.	2.8	15
98	Activation of [^{99m} TcO ₄] ⁻ by phosphonium cations. <i>Chemical Communications</i> , 2014, 50, 4126-4129.	4.1	7
99	Ascorbate as an electron relay between an irreversible electron donor and Ru(ⁱⁱ) or Re(ⁱ) photosensitizers. <i>Chemical Communications</i> , 2014, 50, 6737-6739.	4.1	80
100	A novel ^{99m} Tc labelling strategy for the development of silica based particles for medical applications. <i>Dalton Transactions</i> , 2014, 43, 4260-4263.	3.3	8
101	Towards Matched Pairs of Porphyrinâ€“Re ^I / ^{99m} Tc ^I Conjugates that Combine Photodynamic Activity with Fluorescence and Radio Imaging. <i>ChemMedChem</i> , 2014, 9, 1231-1237.	3.2	30
102	Photosensitizing Properties of Alkynylrhenium(I) Complexes [Re(â€“Câ‰;Câ€“R)âˆ(CO) ₃ (Nâˆ“N)] (Nâˆ“N =) <i>Tj ETQq0 0 3002-3009.</i>	2.0	15
103	Appraising Alfred Werner's Groundbreaking Ideas. <i>Chimia</i> , 2014, 68, 177.	0.6	1
104	Editorial. <i>Chimia</i> , 2014, 68, 289.	0.6	0
105	Orthogonally Protected Artificial Amino Acid as Tripod Ligand for Automated Peptide Synthesis and Labeling with [^{99m} Tc(OH) ₂] ₃ (CO) ₃] ⁺ . <i>Bioconjugate Chemistry</i> , 2013, 24, 26-35.	3.6	13
106	A highly stable polypyridyl-based cobalt catalyst for homo- and heterogeneous photocatalytic water reduction. <i>Dalton Transactions</i> , 2013, 42, 334-337.	3.3	98
107	Novel water-soluble ^{99m} Tc(I)/Re(I)-porphyrin conjugates as potential multimodal agents for molecular imaging. <i>Journal of Inorganic Biochemistry</i> , 2013, 122, 57-65.	3.5	34
108	Two-step activation prodrugs: transplatin mediated binding of chemotherapeutic agents to vitamin B12. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 3247.	2.8	15

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109	Synthesis and Performance of Acyloxy-diene-Fe(CO) ₃ Complexes with Variable Chain Lengths as Enzyme-Triggered Carbon Monoxide-Releasing Molecules. <i>Organometallics</i> , 2013, 32, 3587-3594.	2.3	45
110	3d Element Complexes of Pentadentate Bipyridine-Pyridine-Based Ligand Scaffolds: Structures and Photocatalytic Activities. <i>Inorganic Chemistry</i> , 2013, 52, 6055-6061.	4.0	85
111	Hexafluoridotechnetate(IV) Revisited. <i>Inorganic Chemistry</i> , 2013, 52, 7094-7099.	4.0	13
112	Toward Organometallic ^{99m} Tc Imaging Agents: Synthesis of Water-Stable ⁹⁹ Tc- ¹ NHC Complexes. <i>Journal of the American Chemical Society</i> , 2013, 135, 17566-17572.	13.7	22
113	[(Cp-R)M(CO) ₃] (M= Re or ^{99m} Tc) Conjugates for Theranostic Receptor Targeting. <i>Chimia</i> , 2013, 67, 267-270.	0.6	5
114	APPLICATION OF TECHNETIUM AND RHENIUM IN NUCLEAR MEDICINE. <i>Cosmos</i> , 2012, 08, 83-101.	0.4	14
115	Iron Dienylphosphate Tricarbonyl Complexes as Water-Soluble Enzyme-Triggered CO-Releasing Molecules (ET-CORMs). <i>Organometallics</i> , 2012, 31, 5800-5809.	2.3	64
116	Acyloxybutadiene tricarbonyl iron complexes as enzyme-triggered CO-releasing molecules (ET-CORMs): a structure-activity relationship study. <i>Dalton Transactions</i> , 2012, 41, 13862.	3.3	68
117	⁹⁹ TcO ₄ ⁻ : Selective Recognition and Trapping in Aqueous Solution. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9772-9776.	13.8	97
118	The [(Cp)M(CO) ₃] (M=Re, ^{99m} Tc) Building Block for Imaging Agents and Bioinorganic Probes: Perspectives and Limitations. <i>Chemistry and Biodiversity</i> , 2012, 9, 1849-1866.	2.1	28
119	A Phenylbenzothiazole Conjugate with the Tricarbonyl <i>fac</i> -[M(II)(CO) ₃] ⁺ (M = Re, ⁹⁹ Tc, ^{99m} Tc) Core for Imaging of ¹²⁵ I Amyloid Plaques. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 4279-4286.	2.0	25
120	Combining Bifunctional Chelator with (3 + 2)-Cycloaddition Approaches: Synthesis of Dual-Function Technetium Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 4051-4057.	4.0	25
121	Vitamin B12 Derivatives for Spectroanalytical and Medicinal Applications. <i>Handbook of Porphyrin Science</i> , 2012, , 83-130.	0.8	10
122	Cyclopentadienyl-Based Amino Acids (Cp-aa) As Phenylalanine Analogues for Tumor Targeting: Syntheses and Biological Properties of [(Cp-aa)M(CO) ₃] (M = Mn, Re, ^{99m} Tc). <i>Organometallics</i> , 2012, 31, 6880-6886.	2.3	30
123	Synthesis and characterization of open and sandwich-type polyoxometalates reveals visible-light-driven water oxidation via POM-photosensitizer complexes. <i>Green Chemistry</i> , 2012, 14, 1680.	9.0	130
124	[(Cp ⁺)M(CO) ₃] (M=Re or ^{99m} Tc) Arylsulfonamide, Arylsulfamide, and Arylsulfamate Conjugates for Selective Targeting of Human Carbonic Anhydrase IX. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3354-3357.	13.8	109
125	Photocatalytic H ₂ Production with a Rhenium/Cobalt System in Water under Acidic Conditions. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 59-64.	2.0	100
126	The change of corrin-amides to carboxylates leads to altered structures of the B ₁₂ -responding btuBriboswitch. <i>Chemical Communications</i> , 2011, 47, 403-405.	4.1	12

#	ARTICLE	IF	CITATIONS
127	Metal Complex Mediated Conjugation of Peptides to Nucleus Targeting Acridine Orange: A Modular Concept for Dual-Modality Imaging Agents. <i>Bioconjugate Chemistry</i> , 2011, 22, 958-967.	3.6	39
128	Insight into Technetium Amidoxime Complex: Oxo Technetium(V) Complex of <i>N</i> -Substituted Benzamidoxime as New Basic Structure for Molecular Imaging. <i>Inorganic Chemistry</i> , 2011, 50, 992-998.	4.0	17
129	Trifunctional ^{99m} Tc based radiopharmaceuticals: metal-mediated conjugation of a peptide with a nucleus targeting intercalator. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 1071-1078.	2.8	25
130	Metal-Based Radiopharmaceuticals. , 2011, , 253-282.		14
131	^{99m} Tc-technetium labeling of antiarthritic peptides to evaluate homing and biodistribution at inflamed joints. <i>Nuclear Medicine and Biology</i> , 2011, 38, 751-756.	0.6	6
132	Photocatalytic H ₂ Production from Water with Rhenium and Cobalt Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 3404-3412.	4.0	150
133	Vitamin B12 as a carrier for targeted platinum delivery: in vitro cytotoxicity and mechanistic studies. <i>Journal of Biological Inorganic Chemistry</i> , 2011, 16, 33-44.	2.6	46
134	Tuning the Spin State of Cobalt in a Co ^{II} -La Heterometallic Complex through Controllable Coordination Sphere of La. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5504-5508.	13.8	45
135	<i>fac</i> -[TcO ₃ (tacn)] ⁺ : A Versatile Precursor for the Labelling of Pharmacophores, Amino Acids and Carbohydrates through a New Ligand-Centred Labelling Strategy. <i>Chemistry - A European Journal</i> , 2011, 17, 12967-12974.	3.3	19
136	Performance of a ^{99m} Tc-labelled 1-thio- ¹²⁵ I-D-glucose 2,3,4,6-tetra-acetate analogue in the detection of infections and tumours in mice: a comparison with [18F]FDG. <i>Nuclear Medicine Communications</i> , 2010, 31, 239-248.	1.1	20
137	Redox-Induced Binding of [(tacn)Re ^{III} Br(CO) ₂] ⁺ to Guanine, Oligonucleotides, and Peptides. <i>Chemistry - A European Journal</i> , 2010, 16, 2710-2713.	3.3	4
138	One-Pot Synthesis of the Metal-Free AD and BC Fragments of Vitamin B ₁₂ . <i>Chemistry - A European Journal</i> , 2010, 16, 6155-6158.	3.3	13
139	Syntheses of bifunctional 2,3-diamino propionic acid-based chelators as small and strong tripod ligands for the labelling of biomolecules with ^{99m} Tc. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2829.	2.8	15
140	Triazacyclohexane (tach) Complexes of High-Valent Rhenium: Syntheses of [(R ₃ tach)ReO ₃] ⁺ (R = ¹³ CH ₃ ,) <i>Tetrahedron Letters</i> , 2010, 49, 1283-1285.	4.0	13
141	Synthesis, Characterization, and Structures of R ₃ EOTcO ₃ Complexes (E = C, Si,) <i>Tetrahedron Letters</i> , 2010, 49, 1283-1285.	4.0	13
142	Preparation and biological evaluation of cyclopentadienyl-based ^{99m} Tc-complexes [(Cp-R) ^{99m} Tc(CO) ₃] mimicking benzamides for malignant melanoma targeting. <i>Nuclear Medicine and Biology</i> , 2010, 37, 255-264.	0.6	34
143	A Highly Stable Rhenium-Cobalt System for Photocatalytic H ₂ Production: Unraveling the Performance-Limiting Steps. <i>Inorganic Chemistry</i> , 2010, 49, 6453-6460.	4.0	200
144	Syntheses, structural characterization and CO releasing properties of boranocarbonate [H ₃ BCO ₂ H] ⁺ derivatives. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4849.	2.8	70

#	ARTICLE	IF	CITATIONS
145	Organometallic Radiopharmaceuticals. Topics in Organometallic Chemistry, 2010, , 219-246.	0.7	38
146	Syntheses of High-Valent $\{^{99m}\text{TcO}_3\}^+$ Complexes and [3+2] Cycloadditions with Alkenes in Water as a Direct Labelling Strategy. Chemistry - A European Journal, 2009, 15, 633-638.	3.3	29
147	The Chemistry of Technetium-Water Complexes within the Manganese Triad: Challenges and Perspectives. European Journal of Inorganic Chemistry, 2009, 2009, 21-31.	2.0	56
148	Functionalized thymidine derivatives as carriers for the β^3 -emitter technetium tricarbonyl moiety. Inorganica Chimica Acta, 2009, 362, 4785-4790.	2.4	10
149	Aqueous syntheses of $[(\text{Cp-R})\text{M}(\text{CO})_3]$ type complexes (Cp=cyclopentadienyl, M=Mn, ^{99m}Tc , Re) with bioactive functionalities. Journal of Organometallic Chemistry, 2009, 694, 981-987.	1.8	35
150	Synthesis and Reactivity of the 17 e ⁻ Complex $[\text{ReI}(\text{Br}_4(\text{CO})_2)_2]^{2+}$: A Convenient Entry into Rhenium(II) Chemistry. Inorganic Chemistry, 2009, 48, 8965-8970.	4.0	37
151	An Efficient Homogeneous Intermolecular Rhenium-Based Photocatalytic System for the Production of H_2 . Inorganic Chemistry, 2009, 48, 1836-1843.	4.0	159
152	Formation and Reactivity of $[(\text{tacn})\text{-N-CO-Re}^{\text{III}}\text{Br}(\text{CO})_2]^{2+}$ in Water: a Theoretical and Experimental Study. Inorganic Chemistry, 2009, 48, 4963-4970.	4.0	16
153	Towards Small Molecule Labelling with ^{99m}Tc . Current Radiopharmaceuticals, 2009, 2, 254-267.	0.8	15
154	Syntheses and characterization of vitamin B12-Pt(II) conjugates and their adenosylation in an enzymatic assay. Journal of Biological Inorganic Chemistry, 2008, 13, 335-347.	2.6	37
155	Synthesis, characterization, and evaluation of a novel $^{99m}\text{Tc}(\text{CO})_3$ pyrazolyl conjugate of a peptide nucleic acid sequence. Journal of Biological Inorganic Chemistry, 2008, 13, 1335-1344.	2.6	25
156	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
157	High-Valent Technetium Complexes with the $[\text{^{99}TcO}_3]^+$ Core from in Situ Prepared Mixed Anhydrides of $[\text{^{99}TcO}_4]^-$ and Their Reactivities. Inorganic Chemistry, 2008, 47, 257-264.	4.0	36
158	Substitution reactions with $[\text{ReBr}_2(\text{CO})_2(\text{NCCH}_3)_2]^{2+}$: a convenient route to complexes with the cis- $[\text{Re}(\text{CO})_2]^+$ core. Dalton Transactions, 2008, , 5800.	3.3	10
159	New Derivatives of Vitamin B12 Show Preferential Targeting of Tumors. Cancer Research, 2008, 68, 2904-2911.	0.9	117
160	Ligand-mediated decarbonylation as an efficient synthetic method to Re(i) and Re(ii) dicarbonyl complexes. Dalton Transactions, 2008, , 5287.	3.3	11
161	Metal-Mediated Retro Diels-Alder of Dicyclopentadiene Derivatives: A Convenient Synthesis of $[(\text{Cp-R})\text{M}(\text{CO})_3]$ (M = ^{99m}Tc , Re) Complexes. Journal of the American Chemical Society, 2008, 130, 1554-1555.	13.7	63
162	Derivatives of Sodium Boranocarbonate as Novel CO-Releasing Molecules (CO-RMs). Chimia, 2008, 62, 277.	0.6	22

#	ARTICLE	IF	CITATIONS
163	In the Footsteps of Alfred Werner: The Institute of Inorganic Chemistry at the University of Zurich. <i>Chimia</i> , 2008, 62, 111.	0.6	1
164	Tetraethylammonium tricarboxylchlorido(isoquinoline-1-carboxylato) ²⁻ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (<i>N</i> m1213-m1214.	0.2	0
165	Syntheses of Fluorescent Vitamin B ₁₂ -Pt(II) Conjugates and their Pt(II) Release in a Spectroelectrochemical Assay. <i>Chimia</i> , 2007, 61, 190-193.	0.6	6
166	Medicinal Inorganic Chemistry. <i>Chimia</i> , 2007, 61, 691-691.	0.6	4
167	Postmeeting summary on the round table discussion at the Seventh International Symposium on Technetium in Chemistry and Nuclear Medicine held in Bressanone, Italy on Sept 6 th -9, 2006. <i>Nuclear Medicine and Biology</i> , 2007, 34, 1-4.	0.6	5
168	Chemistry and biological activities of CO-releasing molecules (CORMs) and transition metal complexes. <i>Dalton Transactions</i> , 2007, , 1651.	3.3	174
169	Syntheses of a series of S ₆ thioether cages and their coordination chemistry with Ag ⁺ . <i>New Journal of Chemistry</i> , 2007, 31, 409.	2.8	12
170	Binding Interaction of [Re(H ₂ O) ₃ (CO) ₃] ⁺ with the DNA Fragment d(CpGpG). <i>Inorganic Chemistry</i> , 2007, 46, 10458-10460.	4.0	28
171	In Vitro and In Vivo Evaluation of a Novel ^{99m} Tc(CO) ₃ -Pyrazolyl Conjugate of cyclo-(Arg-Gly-Asp-d-Tyr-Lys). <i>Bioconjugate Chemistry</i> , 2007, 18, 530-537.	3.6	63
172	Cell-Specific and Nuclear Targeting with [M(CO) ₃] ⁺ (M= ^{99m} Tc, Re)-Based Complexes Conjugated to Acridine Orange and Bombesin. <i>Chemistry - A European Journal</i> , 2007, 13, 3842-3852.	3.3	92
173	Structures of the b- and d-Acid Derivatives of Vitamin B ₁₂ and Their Complexes with [M(CO) ₃] ⁺ (M) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 707 Td (<i>N</i> 2.0 855	2.0	855
174	Evaluation of two chelators for labelling a PNA monomer with the fac-[^{99m} Tc(CO) ₃] ⁺ moiety. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 1332-1339.	1.8	25
175	Synthesis and reactivity of [ReBr ₂ (NCCH ₃) ₂ (CO) ₂] ⁺ : A new precursor for bioorganometallic chemistry. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 1372-1376.	1.8	12
176	Iodination of cisplatin adduct of Vitamin B ₁₂ [{B ₁₂ }-CN-{cis-PtCl(NH ₃) ₂ }] ⁺ . <i>Journal of Organometallic Chemistry</i> , 2007, 692, 1358-1362.	1.8	18
177	The particular role of radiopharmacy within bioorganometallic chemistry. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 1179-1186.	1.8	91
178	Tricarbonyl[tris(pyrazol-1-yl)methanesulfonato] ³⁻ rhenium(I) acetone solvate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2007, 63, m363-m364.	0.2	5
179	Attempted Abstraction of the Halogenides in (HNEt ₃)[Re(CH ₃ CN) ₂ Cl ₄] and Crystal Structures of cis-[Re(CH ₃ CN) ₂ Cl ₄]. ⁺ CH ₃ CN and cis-[Re(NHC(OCH ₃) ₃)CH ₃] ₂ Cl ₄ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 2753-2756.	1.2	4
180	Amino Acids Labeled with [^{99m} Tc(CO) ₃] ⁺ and Recognized by the l-type Amino Acid Transporter LAT1. <i>Journal of the American Chemical Society</i> , 2006, 128, 15996-15997.	13.7	63

#	ARTICLE	IF	CITATIONS
181	Radiopharmaceuticals. , 2006, , 97-124.		11
182	Very Small and Soft Scorpionates: Water Stable Technetium Tricarbonyl Complexes Combining a Bis-agostic (η^3 -H, H, S) Binding Motif with Pendant and Integrated Bioactive Molecules. Journal of the American Chemical Society, 2006, 128, 14590-14598.	13.7	58
183	Relevance of the Ligand Exchange Rate and Mechanism of $\text{fac-}[(\text{CO})_3\text{M}(\text{H}_2\text{O})_3]^+$ (M = Mn, Tc, Re) Complexes for New Radiopharmaceuticals. Inorganic Chemistry, 2006, 45, 10378-10390.	4.0	48
184	Technetium and rhenium: coordination chemistry and nuclear medical applications. Journal of the Brazilian Chemical Society, 2006, 17, 1486-1500.	0.6	183
185	Complexes with the $\text{fac-}[\text{M}(\text{CO})_3]^+$ (M=99mTc, Re) moiety and long alkyl chain ligands as Lipiodol surrogates. Inorganica Chimica Acta, 2006, 359, 4087-4094.	2.4	24
186	Ligand Variations in $[\text{ReX}(\text{diimine})(\text{CO})_3]$ Complexes: Effects on Photocatalytic CO ₂ Reduction. European Journal of Inorganic Chemistry, 2006, 2006, 2966-2974.	2.0	233
187	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
188	The Facettes of $[\text{99TcCl}_3(\text{CO})_3]^{2-}$ Chemistry and Its Application to Life Science. Journal of Nuclear and Radiochemical Sciences, 2005, 6, 173-176.	0.7	9
189	1,3,5-Triamino-1,3,5-trideoxy-cis-inositol, a Ligand with a Remarkable Versatility for Metal Ions. Part XIII. Helvetica Chimica Acta, 2005, 88, 426-434.	1.6	5
190	S-Functionalized Cysteine: Powerful Ligands for the Labelling of Bioactive Molecules with Triaquatricarbonyltechnetium-99m(1+) ($[\text{99mTc}(\text{OH})_2(\text{CO})_3]^+$). Helvetica Chimica Acta, 2005, 88, 447-460.	1.6	51
191	Induction of DNA-Double-Strand Breaks by Auger Electrons from 99mTc Complexes with DNA-Binding Ligands. ChemBioChem, 2005, 6, 414-421.	2.6	56
192	Guanine and Plasmid DNA binding of Mono- and Trinuclear $\text{fac-}[\text{Re}(\text{CO})_3]^+$ Complexes with Amino Acid Ligands. ChemBioChem, 2005, 6, 1397-1405.	2.6	50
193	Cyanide-Bridged Vitamin B12-Cisplatin Conjugates. Chemistry - A European Journal, 2005, 11, 4089-4095.	3.3	61
194	Structure, Stability, and Biodistribution of Cationic $[\text{M}(\text{CO})_3]^+$ (M=Re, Tc) Complexes: Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2005, 35, 27-34.	0.6	18
195	CORM-1: a new pharmacologically active carbon monoxide-releasing molecule. FASEB Journal, 2005, 19, 1-24.	0.5	331
196	Structure, reactivity and solution behaviour of $[\text{Re}(\text{ser})(7\text{-MeG})(\text{CO})_3]$ and $[\text{Re}(\text{ser})(3\text{-pic})(\text{CO})_3]$: nucleoside-mimicking complexes based on the $\text{fac-}[\text{Re}(\text{CO})_3]^+$ moiety. Dalton Transactions, 2005, , 2859.	3.3	14
197	Cell Uptake and Radiotoxicity Studies of an Nuclear Localization Signal Peptide-Intercalator Conjugate Labeled with $[\text{99mTc}(\text{CO})_3]^+$. Bioconjugate Chemistry, 2005, 16, 582-587.	3.6	77
198	Picolylamine-methylphosphonic acid esters as tridentate ligands for the labeling of alcohols with the $\text{fac-}[\text{M}(\text{CO})_3]^+$ core (M=99mTc, Re): synthesis and biodistribution of model compounds and of a 99mTc-labeled cobinamide. Nuclear Medicine and Biology, 2005, 32, 473-484.	0.6	30

#	ARTICLE	IF	CITATIONS
199	The chemistry of the fac-[Re(CO) ₂ (NO)] ²⁺ fragment in aqueous solution. Dalton Transactions, 2005, , 804.	3.3	15
200	Tricarbonylrhenium(I) Complexes with Thiosemicarbazone Derivatives of 2-Acetylpyridine and 2-Pyridine Formamide Showing Two Unusual Coordination Modes of Tridentate Thiosemicarbazone Ligands. Inorganic Chemistry, 2004, 43, 1834-1836.	4.0	60
201	Conjugation of a novel histidine derivative to biomolecules and labelling with [99mTc(OH) ₂ 3(CO) ₃] ⁺ Electronic supplementary information (ESI) available: complete 1H and 13C NMR spectra of 14, 15, 16 and 19. See http://www.rsc.org/suppdata/ob/b4/b405575f/ . Organic and Biomolecular Chemistry, 2004, 2, 2593.	2.8	61
202	Vitamin B12 as a Ligand for Technetium and Rhenium Complexes. Angewandte Chemie - International Edition, 2004, 43, 5025-5029.	13.8	63
203	Mono-, bi-, or tridentate ligands? The labeling of peptides with 99mTc-carbonyls. Biopolymers, 2004, 76, 324-333.	2.4	93
204	Direct Synthesis of Tricarbonyl(cyclopentadienyl)rhenium and Tricarbonyl(cyclopentadienyl)technetium Units from Ferrocenyl Moieties: Preparation of 171±-Ethinylestradiol Derivatives Bearing a Tricarbonyl(cyclopentadienyl)technetium Group. European Journal of Inorganic Chemistry, 2004, 2004, 2013-2017.	2.0	55
205	Platinum(II) and technetium(I) complexes anchored to ethinylestradiol: a way to drug targeting and delivery. Inorganica Chimica Acta, 2004, 357, 2157-2166.	2.4	40
206	Conjugates of vitamin B12 with N ^μ -functionalized histidine for labeling with [99mTc(OH) ₂ 3(CO) ₃] ⁺ : synthesis and biodistribution studies in tumor bearing mice. Journal of Organometallic Chemistry, 2004, 689, 4803-4810.	1.8	33
207	Rhenium and technetium tricarbonyl complexes anchored by 5-HT1A receptor-binding ligands containing P,O/N donor atom sets. Journal of Organometallic Chemistry, 2004, 689, 4811-4819.	1.8	24
208	Diazenide and hydrazide(2 ⁻) derivatives of the [Re(CO) ₃] ⁺ core. Dalton Transactions, 2004, , 2610-2611.	3.3	12
209	[Tc(CN) ₃ (CO) ₃] ²⁻ and [Re(CN) ₃ (CO) ₃] ²⁻ : Case Studies for the Binding Properties of CN- and CO. Inorganic Chemistry, 2004, 43, 3789-3791.	4.0	16
210	A new [2 + 1] mixed ligand concept based on [99(m)Tc(OH) ₂ 3(CO) ₃] ⁺ : a basic study. Dalton Transactions, 2004, , 1320-1328.	3.3	114
211	Mechanistic Changeover for the Water Substitution on fac-[(CO) ₃ Re(H ₂ O) ₃] ⁺ Revealed by High-Pressure NMR. Inorganic Chemistry, 2004, 43, 865-873.	4.0	37
212	Binding of 9-Methylguanine to [cis-Ru(2,2 ⁻ -bpy) ₂] ²⁺ : First X-ray Structure of a cis-Bis Purine Complex of Ruthenium. Inorganic Chemistry, 2004, 43, 2771-2772.	4.0	21
213	Head-to-Head (HH) and Head-to-Tail (HT) Conformers of cis-Bis Guanine Ligands Bound to the [Re(CO) ₃] ⁺ Core. Inorganic Chemistry, 2004, 43, 2087-2096.	4.0	40
214	Preparation of No-Carrier-Added Technetium-99m Complexes via Metal-Assisted Cleavage from a Solid Phase. Bioconjugate Chemistry, 2004, 15, 195-202.	3.6	46
215	[Tc(CO) ₃] ⁺ chemistry: a promising new concept for SPET?. European Journal of Nuclear Medicine and Molecular Imaging, 2003, 30, 1299-1302.	6.4	60
216	N Functionalization of Metal and Organic Protected L-Histidine for a Highly Efficient, Direct Labeling of Biomolecules with [Tc(OH) ₂ 3(CO) ₃] ⁺ . Chemistry - A European Journal, 2003, 9, 2053-2061.	3.3	76

#	ARTICLE	IF	CITATIONS
217	Reactivity of 2-pyridinealdehyde and 2-acetylpyridine coordinated to $[\text{Re}(\text{CO})_3]^+$ with alcohols and amines: metal mediated Schiff base formation and dimerization. <i>Inorganica Chimica Acta</i> , 2003, 355, 386-393.	2.4	74
218	Toward Novel DNA Binding Metal Complexes: Structure and Basic Kinetic Data of $[\text{M}(\text{9MeG})_2(\text{CH}_3\text{OH})(\text{CO})_3]^+$ ($\text{M} = ^{99}\text{Tc}$, Re). <i>Inorganic Chemistry</i> , 2003, 42, 2818-2820.	4.0	62
219	Aqueous Synthesis of Derivatized Cyclopentadienyl Complexes of Technetium and Rhenium Directed toward Radiopharmaceutical Application. <i>Inorganic Chemistry</i> , 2003, 42, 1014-1022.	4.0	102
220	Reactivity of the Organometallic $\text{fac}-[(\text{CO})_3\text{Re}(\text{H}_2\text{O})_3]^+$ Aquaion. Kinetic and Thermodynamic Properties of H_2O Substitution. <i>Inorganic Chemistry</i> , 2003, 42, 3516-3526.	4.0	85
221	Selective Release of Technetium Complexes from a Solid Phase due to C-N Bond Cleavage upon Metal Coordination. <i>Chimia</i> , 2003, 57, 193-195.	0.6	1
222	Reactivity of $[\text{Re}\{\text{H}(\text{H})\text{B}(\text{timMe})_2\}(\text{CO})_3]$ ($\text{timMe} = 2\text{-Mercapto-1-methylimidazolyl}$) toward Neutral Substrates. <i>Inorganic Chemistry</i> , 2002, 41, 2422-2428.	4.0	59
223	Steps toward High Specific Activity Labeling of Biomolecules for Therapeutic Application: Preparation of Precursor $[\text{Re}(\text{H}_2\text{O})_3(\text{CO})_3]^+$ and Synthesis of Tailor-Made Bifunctional Ligand Systems. <i>Bioconjugate Chemistry</i> , 2002, 13, 750-756.	3.6	179
224	Central vs. peripheral $\text{Ag}(\text{i})$ coordination in NS3-open chain and cage ligands. <i>Dalton Transactions RSC</i> , 2002, , 4143-4151.	2.3	27
225	Authors' reply to letter to the editor by G. Calmanovici. <i>Nuclear Medicine and Biology</i> , 2002, 29, 133.	0.6	0
226	Re Tricarbonyl Complexes with Ligands Containing P,N,N and P,N,O Donor Atom Sets: Synthesis and Structural Characterization. <i>Inorganic Chemistry</i> , 2001, 40, 5147-5151.	4.0	45
227	Synthesis and Properties of Boranocarbonate: A Convenient in Situ CO Source for the Aqueous Preparation of $[\text{Re}(\text{H}_2\text{O})_3(\text{CO})_3]^+$. <i>Journal of the American Chemical Society</i> , 2001, 123, 3135-3136.	13.7	436
228	Surfactant protein B labelled with $[\text{Re}(\text{CO})_3(\text{H}_2\text{O})_3]^+$ retains biological activity in vitro. <i>Nuclear Medicine and Biology</i> , 2001, 28, 243-250.	0.6	35
229	Derivatization of Glucose and 2-Deoxyglucose for Transition Metal Complexation: Substitution Reactions with Organometallic ^{99}Tc and Re Precursors and Fundamental NMR Investigations. <i>Chemistry - A European Journal</i> , 2001, 7, 1868-1873.	3.3	94
230	Aqueous One-Pot Synthesis of Derivatized Cyclopentadienyl-Tricarbonyl Complexes of ^{99}Tc with an In Situ CO Source: Application to a Serotonergic Receptor Ligand. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 3062-3066.	13.8	105
231	Reactivity of technetium(I) thioether carbonyl complexes towards histidine: an EXAFS study in solution. <i>Inorganica Chimica Acta</i> , 2001, 322, 79-86.	2.4	21
232	Synthesis of derivatized cyclopentadienyltricarbonyl complexes of ^{99}Tc in water with an in situ co source. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2001, 44, S54.	1.0	3
233	Complete Carbonylation of $\text{fac}-[\text{Tc}(\text{H}_2\text{O})_3(\text{CO})_3]^+$ under CO Pressure in Aqueous Media: A Single Sample Story!. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 254-256.	13.8	54
234	New paradigms for synthetic pathways inspired by bioorganometallic chemistry. <i>Journal of Organometallic Chemistry</i> , 2000, 600, 23-36.	1.8	130

#	ARTICLE	IF	CITATIONS
235	Influence of the Denticity of Ligand Systems on the in Vitro and in Vivo Behavior of $^{99m}\text{Tc}(\text{I})$ Tricarbonyl Complexes: A Hint for the Future Functionalization of Biomolecules. <i>Bioconjugate Chemistry</i> , 2000, 11, 345-351.	3.6	348
236	Re and Tc Complexes Containing $\text{B} \cdots \text{H} \cdots \text{M}$ Agostic Interactions as Building Blocks for the Design of Radiopharmaceuticals. <i>Journal of the American Chemical Society</i> , 2000, 122, 11240-11241.	13.7	109
237	Rhenium and technetium complexes with diphenyl(2-pyridyl)phosphine. <i>Polyhedron</i> , 1999, 18, 2995-3003.	2.2	28
238	Stable one-step technetium-99m labeling of His-tagged recombinant proteins with a novel $\text{Tc}(\text{I})$ carbonyl complex. <i>Nature Biotechnology</i> , 1999, 17, 897-901.	17.5	293
239	Basic aqueous chemistry of $[\text{M}(\text{OH})_2(\text{CO})_3]^+$ ($\text{M}=\text{Re}, \text{Tc}$) directed towards radiopharmaceutical application. <i>Coordination Chemistry Reviews</i> , 1999, 190-192, 901-919.	18.8	321
240	Unexpected polymeric string formation between $\text{Ag}(\text{I})$ and a homoleptic thioether cage: synthesis and crystal structure of $[\text{R}_6\text{S}_6\text{tricosane}]$ and $\{[\text{Ag}(\text{R}_6\text{S}_6\text{hexacosane})]\text{TsO}\}_n$. <i>Chemical Communications</i> , 1999, , 1513-1514.	4.1	18
241	Rhodium-105 tetrathioether complexes: radiochemistry and initial biological evaluation. <i>Nuclear Medicine and Biology</i> , 1999, 26, 951-957.	0.6	22
242	First Application of $[\text{fac-}^{99m}\text{Tc}(\text{OH})_2(\text{CO})_3]^+$ in Bioorganometallic Chemistry: Design, Structure, and in Vitro Affinity of a 5-HT _{1A} Receptor Ligand Labeled with ^{99m}Tc . <i>Journal of the American Chemical Society</i> , 1999, 121, 6076-6077.	13.7	231
243	Synthesis and structures of technetium(I) and rhenium(I) tricarbonyl complexes with bis(diphenylthiophosphoryl)amide, $[\text{M}(\text{CO})_3(\text{Ph}_2\text{PS})_2\text{N}](\text{CH}_3\text{CN})$ ($\text{M} = \text{Tc}, \text{Re}$). <i>Polyhedron</i> , 1998, 17, 1303-1309.	2.2	27
244	Steps towards $[(\text{C}_5\text{Me}_5)\text{TcO}_3]$: Novel synthesis of $[(\text{C}_5\text{Me}_5)\text{Tc}(\text{CO})_3]$ from $[\{\text{Tc}(\text{OH})_4(\text{CO})_3\}_4]$ and oxidation of $[(\text{C}_5\text{Me}_5)\text{M}(\text{CO})_3]$ ($\text{M} = \text{Tc}, \text{Re}$) with Br_2 . <i>Polyhedron</i> , 1998, 17, 1133-1140.	2.2	40
245	TROTEC-1: A New High-Affinity Ligand for Labeling of the Dopamine Transporter. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 4429-4432.	6.4	50
246	Derivatives of 1,3,5-Triamino-1,3,5-trideoxy-cis-inositol as Versatile Pentadentate Ligands for Protein Labeling with Re-186/188. Prelabeling, Biodistribution, and X-ray Structural Studies. <i>Bioconjugate Chemistry</i> , 1998, 9, 691-702.	3.6	21
247	A Novel Organometallic Aqua Complex of Technetium for the Labeling of Biomolecules: Synthesis of $[\text{fac-}^{99m}\text{Tc}(\text{OH})_2(\text{CO})_3]^+$ from $[\text{fac-}^{99m}\text{TcO}_4]^-$ in Aqueous Solution and Its Reaction with a Bifunctional Ligand. <i>Journal of the American Chemical Society</i> , 1998, 120, 7987-7988.	13.7	663
248	Structural and ^{99}Tc NMR Investigations of Complexes with $\text{fac-}[\text{Tc}(\text{CO})_3]^+$ Moieties and Macrocyclic Thioethers of Various Ring Sizes: Synthesis and X-ray Structure of the Complexes $\text{fac-}[\text{Tc}(\text{9-ane-S}_3)(\text{CO})_3]\text{Br}$, $\text{fac-}[\text{Tc}_2(\text{tosylate})_2(18\text{-ane-S}_6)(\text{CO})_6]$, and $\text{fac-}[\text{Tc}_2(20\text{-ane-S}_6\text{-OH})(\text{CO})_6][\text{tosylate}]_2$. <i>Inorganic Chemistry</i> , 1998, 37, 3509-3516.	4.0	72
249	Hydrolysis of the Organometallic Aqua Ion $\text{fac-Triaquatricarbonylrhenium}(\text{I})$. Mechanism, pK_a , and Formation Constants of the Polynuclear Hydrolysis Products. <i>Organometallics</i> , 1997, 16, 1833-1840.	2.3	83
250	Title is missing!. <i>Transition Metal Chemistry</i> , 1997, 22, 597-601.	1.4	53
251	Synthesis of rhenium(I) and technetium(I) carbonyl/dithioether ligand complexes bearing 3,17 β -estradiol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 2243-2246.	2.2	26
252	Vehicles, Chelators, and Radionuclides: Choosing the Building Blocks of an Effective Therapeutic Radioimmunoconjugate. <i>Bioconjugate Chemistry</i> , 1996, 7, 165-179.	3.6	159

#	ARTICLE	IF	CITATIONS
253	Silver(I) Complexes of the Derivatized Crown Thioether Ligands 3,6,9,12,15,18-Hexathianodecanol and 3,6,9,13,16,19-Hexathiaicosanol. Determination of Stability Constants and the Crystal Structures of [Ag(19-aneS6-OH)][CF3SO3] and [Ag(20-aneS6-OH)][BF4]. <i>Inorganic Chemistry</i> , 1996, 35, 3420-3427.	4.0	66
254	Rhodium(III) Complexes with Acyclic Tetrathioether Ligands. Effects of Backbone Chain Length on the Conformation of the Rh(III) Complex. <i>Inorganic Chemistry</i> , 1996, 35, 7546-7555.	4.0	29
255	A simple single-step synthesis of [99Tc3H3(CO)12] from [99TcO4] and its X-ray crystal structure. Application to the production of no-carrier added [188Re3H3(CO)12]. <i>Chemical Communications</i> , 1996, , 1291-1292.	4.1	37
256	Ligand exchange reactions starting from [Re(CO)3Br3]2+. Synthesis, characterization and structures of rhenium(I) tricarbonyl complexes with thiourea and thiourea derivatives. <i>Inorganica Chimica Acta</i> , 1996, 248, 193-202.	2.4	54
257	Heterobimetallic Hydroxy Complexes: [Re3(CO)9(1/42-OH)3(1/43-OH)]+ as a Novel Tripodal Ligand. <i>Angewandte Chemie International Edition in English</i> , 1996, 35, 432-434.	4.4	25
258	Reactions with the technetium and rhenium carbonyl complexes (NEt4)2[MX3(CO)3]. Synthesis and structure of [Tc(CN-But)3(CO)3](NO3) and (NEt4)[Tc2(1/4-SCH2CH2OH)3(CO)6]. <i>Polyhedron</i> , 1996, 15, 1079-1089.	2.2	135
259	Darstellung und Strukturen von (Et4N)2[Re(CO)3(NCS)3] und (Et4N)[Re(CO)2Br4]. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 1996, 622, 813-818.	1.2	22
260	High- and low-valency organometallic compounds of technetium and rhenium. <i>Topics in Current Chemistry</i> , 1996, , 149-187.	4.0	23
261	Metal carbonyl syntheses XXII. Low-pressure carbonylation of [MOCl4]+ and [MO4]+. The technetium(I) and rhenium(I) complexes [NEt4]2[MCl3(CO)3]. <i>Journal of Organometallic Chemistry</i> , 1995, 492, 217-224.	1.8	61
262	Metal carbonyl syntheses XXII. Low pressure carbonylation of [MOCl4]+ and [MO4]+: the technetium(I) and rhenium(I) complexes [NEt4]2[MCl3(CO)3]. <i>Journal of Organometallic Chemistry</i> , 1995, 493, 119-127.	1.8	197
263	Synthesis and reactivity of [NEt4]2[ReBr3(CO)3]. Formation and structural characterization of the clusters [NEt4][Re3(1/43-OH)(1/42-OH)3(CO)9] and [NEt4][Re2(1/4-OH)3(CO)6] by alkaline titration. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 2815-2820.	1.1	216
264	New Organometallic Technetium Complexes in High and Low Oxidation States. <i>Radiochimica Acta</i> , 1993, 63, 153-162.	1.2	12
265	1,3,5-Trideoxy-1,3,5-tris((2-hydroxybenzyl)amino)-cis-inositol, a novel multidentate ligand providing various N,O coordination sites. Structure of the rhenium(V) complex. <i>Inorganic Chemistry</i> , 1992, 31, 4027-4028.	4.0	17
266	Multiple bonds between main group elements and transition metals. 95. Synthesis and reactivity of TcCl(CO)3[P(C6H5)3]2: novel technetium complexes of 1,4,7-triazacyclononane and hydridotris(pyrazolyl)borate. <i>Inorganic Chemistry</i> , 1992, 31, 895-899.	4.0	48
267	Multiple bonds between main-group elements and transition metals. 86. Methyltrioxorhenium(VII) and trioxo(eta-5-pentamethylcyclopentadienyl)rhenium(VII): structures, spectroscopy and electrochemistry. <i>Journal of the American Chemical Society</i> , 1991, 113, 6527-6537.	13.7	117
268	Metallcarbonyl-Synthesen, XX. Einfache Methode zur Darstellung von Tc(CO)3-Komplexen: Synthese und Struktur der neuartigen Technetium(I)-Clusterverbindung Na[Tc3(CO)9(OCH3)4] mit Cuban-Struktur. <i>Chemische Berichte</i> , 1991, 124, 1107-1111.	0.2	23
269	Alkyltechnetium Oxides: First Examples and Reactions. <i>Angewandte Chemie International Edition in English</i> , 1990, 29, 189-191.	4.4	49
270	New Organometallic Technetium Complexes for Radiopharmaceutical Imaging. <i>Topics in Current Chemistry</i> , 0, , 1-44.	4.0	89

#	ARTICLE	IF	CITATIONS
271	Polar Substituents Enable Efficient Catalysis for a Class of Cobalt Polypyridyl Hydrogen Evolving Catalysts. Helvetica Chimica Acta, 0, , .	1.6	1