Roger A Alberto

List of Publications by Year
in descending order

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271 papers	12,438 citations	22153 59 h-index	32842 100 g-index
301 all docs	301 docs citations	301 times ranked	7282 citing authors

#	Article	IF	Citations
1	A Novel Organometallic Aqua Complex of Technetium for the Labeling of Biomolecules:â€‰ Synthesis of [^{99m}Tc(OH₂)₃(CO)₃]⁺ from [^{99m}TcO₄]⁻ in Aqueous Solution and Its Reaction with a Bifunctional Ligand. Journal of the American Chemical Society, 1998, 120, 7987-7988.	13.7	663
2	Synthesis and Properties of Boranocarbonate:Â A Convenient in Situ CO Source for the Aqueous Preparation of [99mTc(OH2)3(CO)3]+. Journal of the American Chemical Society, 2001, 123, 3135-3136.	13.7	436
3	Influence of the Denticity of Ligand Systems on the in Vitro and in Vivo Behavior of99mTc(I)â^Tricarbonyl Complexes:Â A Hint for the Future Functionalization of Biomolecules. Bioconjugate Chemistry, 2000, 11, 345-351.	3.6	348
4	CORMâ€A1: a new pharmacologically active carbon monoxideâ€releasing molecule. FASEB Journal, 2005, 19, 1-24.	0.5	331
5	Basic aqueous chemistry of [M(OH2)3(CO)3]+ (M=Re, Tc) directed towards radiopharmaceutical application. Coordination Chemistry Reviews, 1999, 190-192, 901-919.	18.8	321
6	Stable one-step technetium-99m labeling of His-tagged recombinant proteins with a novel Tc(I)â€“carbonyl complex. Nature Biotechnology, 1999, 17, 897-901.	17.5	293
7	Ligand Variations in [ReX(diimine)(CO)3] Complexes: Effects on Photocatalytic CO2 Reduction. European Journal of Inorganic Chemistry, 2006, 2006, 2966-2974.	2.0	233
8	First Application offac-[99mTc(OH2)3(CO)3]+in Bioorganometallic Chemistry:Â Design, Structure, and in Vitro Affinity of a 5-HT1AReceptor Ligand Labeled with99mTc. Journal of the American Chemical Society, 1999, 121, 6076-6077.	13.7	231
9	Synthesis and reactivity of [NEt4]2[ReBr3(CO)3]. Formation and structural characterization of the clusters [NEt4][Re3(Âµ3-OH)(Âµ-OH)3(CO)9] and [NEt4][Re2(Âµ-OH)3(CO)6] by alkaline titration. Journal of the Chemical Society Dalton Transactions, 1994, , 2815-2820.	1.1	216
10	A Highly Stable Rheniumâ^'Cobalt System for Photocatalytic H₂ Production: Unraveling the Performance-Limiting Steps. Inorganic Chemistry, 2010, 49, 6453-6460.	4.0	200
11	Metal carbonyl syntheses XXII. Low pressure carbonylation of [MOCl4]â^' and [MO4]â^': the technetium(I) and rhenium(I) complexes [NEt4]2[MCl3(CO)3]. Journal of Organometallic Chemistry, 1995, 493, 119-127.	1.8	197
12	Technetium and rhenium: coordination chemistry and nuclear medical applications. Journal of the Brazilian Chemical Society, 2006, 17, 1486-1500.	0.6	183
13	Steps toward High Specific Activity Labeling of Biomolecules for Therapeutic Application:Â Preparation of Precursor [188Re(H2O)3(CO)3]+and Synthesis of Tailor-Made Bifunctional Ligand Systems. Bioconjugate Chemistry, 2002, 13, 750-756.	3.6	179
14	Chemistry and biological activities of CO-releasing molecules (CORMs) and transition metal complexes. Dalton Transactions, 2007, , 1651.	3.3	174
15	Vehicles, Chelators, and Radionuclides:Â Choosing the â€œBuilding Blocksâ€•of an Effective Therapeutic Radioimmunoconjugate. Bioconjugate Chemistry, 1996, 7, 165-179.	3.6	159
16	An Efficient Homogeneous Intermolecular Rhenium-Based Photocatalytic System for the Production of H₂. Inorganic Chemistry, 2009, 48, 1836-1843.	4.0	159
17	Photocatalytic H₂ Production from Water with Rhenium and Cobalt Complexes. Inorganic Chemistry, 2011, 50, 3404-3412.	4.0	150
18	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(Î¼-SCH2CH2OH)3(CO)6]. Polyhedron, 1996, 15, 1079-1089.	2.2	135

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19	New paradigms for synthetic pathways inspired by bioorganometallic chemistry. Journal of Organometallic Chemistry, 2000, 600, 23-36.	1.8	130
20	Synthesis and characterization of open and sandwich-type polyoxometalates reveals visible-light-driven water oxidation via POM-photosensitizer complexes. Green Chemistry, 2012, 14, 1680.	9.0	130
21	Multiple bonds between main-group elements and transition metals. 86. Methyltrioxorhenium(VII) and trioxo(.eta.5-pentamethylcyclopentadienyl)rhenium(VII): structures, spectroscopy and electrochemistry. Journal of the American Chemical Society, 1991, 113, 6527-6537.	13.7	117
22	New Derivatives of Vitamin B12 Show Preferential Targeting of Tumors. Cancer Research, 2008, 68, 2904-2911.	0.9	117
23	Mechanism of Photocatalytic Hydrogen Generation by a Polypyridyl-Based Cobalt Catalyst in Aqueous Solution. Inorganic Chemistry, 2015, 54, 646-657.	4.0	117
24	A new [2 + 1] mixed ligand concept based on [99(m)Tc(OH2)3(CO)3]+: a basic study. Dalton Transactions, 2004, , 1320-1328.	3.3	114
25	Re and Tc Complexes Containing Bâ˜HÂ·Â·Â·M Agostic Interactions as Building Blocks for the Design of Radiopharmaceuticals. Journal of the American Chemical Society, 2000, 122, 11240-11241.	13.7	109
26	[(Cpâ€R)M(CO)₃] (M=Re or ^{99m}Tc) Arylsulfonamide, Arylsulfamide, and Arylsulfamate Conjugates for Selective Targeting of Human Carbonic Anhydrase IX. Angewandte Chemie - International Edition, 2012, 51, 3354-3357.	13.8	109
27	Aqueous One-Pot Synthesis of Derivatized Cyclopentadienyl-Tricarbonyl Complexes of99mTc with an In Situ CO Source: Application to a Serotonergic Receptor Ligand. Angewandte Chemie - International Edition, 2001, 40, 3062-3066.	13.8	105
28	Aqueous Synthesis of Derivatized Cyclopentadienyl Complexes of Technetium and Rhenium Directed toward Radiopharmaceutical Application. Inorganic Chemistry, 2003, 42, 1014-1022.	4.0	102
29	Photocatalytic H₂ Production with a Rhenium/Cobalt System in Water under Acidic Conditions. European Journal of Inorganic Chemistry, 2012, 2012, 59-64.	2.0	100
30	A highly stable polypyridyl-based cobalt catalyst for homo- and heterogeneous photocatalytic water reduction. Dalton Transactions, 2013, 42, 334-337.	3.3	98
31	Organometallic Rhenium Complexes Divert Doxorubicin to the Mitochondria. Angewandte Chemie - International Edition, 2016, 55, 2792-2795.	13.8	98
32	⁹⁹TcO₄^{â˜}: Selective Recognition and Trapping in Aqueous Solution. Angewandte Chemie - International Edition, 2012, 51, 9772-9776.	13.8	97
33	Derivatization of Glucose and 2-Deoxyglucose for Transition Metal Complexation: Substitution Reactions with Organometallic99mTc and Re Precursors and Fundamental NMR Investigations. Chemistry - A European Journal, 2001, 7, 1868-1873.	3.3	94
34	Mono-, bi-, or tridentate ligands? The labeling of peptides with99mTc-carbonyls. Biopolymers, 2004, 76, 324-333.	2.4	93
35	Clean Donor Oxidation Enhances the H₂ Evolution Activity of a Carbon Quantum Dotâ€“Molecular Catalyst Photosystem. Angewandte Chemie - International Edition, 2016, 55, 9402-9406.	13.8	93
36	Cell-Specific and Nuclear Targeting with [M(CO)3]+ (M=99mTc, Re)-Based Complexes Conjugated to Acridine Orange and Bombesin. Chemistry - A European Journal, 2007, 13, 3842-3852.	3.3	92

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37	The particular role of radiopharmacy within bioorganometallic chemistry. Journal of Organometallic Chemistry, 2007, 692, 1179-1186.	1.8	91
38	New Organometallic Technetium Complexes for Radiopharmaceutical Imaging. Topics in Current Chemistry, 0, , 1-44.	4.0	89
39	Reactivity of the Organometallic fac-[(CO)3ReI(H2O)3]+ Aquaion. Kinetic and Thermodynamic Properties of H2O Substitution. Inorganic Chemistry, 2003, 42, 3516-3526.	4.0	85
40	3d Element Complexes of Pentadentate Bipyridine-Pyridine-Based Ligand Scaffolds: Structures and Photocatalytic Activities. Inorganic Chemistry, 2013, 52, 6055-6061.	4.0	85
41	Hydrolysis of the Organometallic Aqua Ionfac-Triaquatricarbonylrhenium(I). Mechanism, pKa, and Formation Constants of the Polynuclear Hydrolysis Products. Organometallics, 1997, 16, 1833-1840.	2.3	83
42	Ascorbate as an electron relay between an irreversible electron donor and Ru(<scp>ii</scp>) or Re(<scp>i</scp>) photosensitizers. Chemical Communications, 2014, 50, 6737-6739.	4.1	80
43	Cell Uptake and Radiotoxicity Studies of an Nuclear Localization Signal Peptideâ^'Intercalator Conjugate Labeled with [99mTc(CO)3]+. Bioconjugate Chemistry, 2005, 16, 582-587.	3.6	77
44	N Functionalization of Metal and Organic Protected L-Histidine for a Highly Efficient, Direct Labeling of Biomolecules with [Tc(OH2)3(CO)3]+. Chemistry - A European Journal, 2003, 9, 2053-2061.	3.3	76
45	Reactivity of 2-pyridineâ€“aldehyde and 2-acetylâ€“pyridine coordinated to [Re(CO)3]+ with alcohols and amines: metal mediated Schiff base formation and dimerization. Inorganica Chimica Acta, 2003, 355, 386-393.	2.4	74
46	Structural and 99Tc NMR Investigations of Complexes with fac-[Tc(CO)3]+ Moieties and Macrocyclic Thioethers of Various Ring Sizes:â€‰ Synthesis and X-ray Structure of the Complexes fac-[Tc(9-ane-S3)(CO)3]Br, fac-[Tc2(tosylate)2(18-ane-S6)(CO)6], and fac-[Tc2(20-ane-S6-OH)(CO)6][tosylate]2. Inorganic Chemistry, 1998, 37, 3509-3516.	4.0	72
47	Syntheses, structural characterization and CO releasing properties of boranocarbonate [H3BCO2H]â^' derivatives. Organic and Biomolecular Chemistry, 2010, 8, 4849.	2.8	70
48	Acyloxybutadiene tricarbonyl iron complexes as enzyme-triggered CO-releasing molecules (ET-CORMs): a structureâ€“activity relationship study. Dalton Transactions, 2012, 41, 13862.	3.3	68
49	Silver(I) Complexes of the Derivatized Crown Thioether Ligands 3,6,9,12,15,18-Hexathianonadecanol 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]. Inorganic Chemistry, 1996, 35, 3420-3427.	4.0	66
50	Iron Dienylphosphate Tricarbonyl Complexes as Water-Soluble Enzyme-Triggered CO-Releasing Molecules (ET-CORMs). Organometallics, 2012, 31, 5800-5809.	2.3	64
51	Vitamin B12 as a Ligand for Technetium and Rhenium Complexes. Angewandte Chemie - International Edition, 2004, 43, 5025-5029.	13.8	63
52	Amino Acids Labeled with [99mTc(CO)3]+and Recognized by thel-type Amino Acid Transporter LAT1. Journal of the American Chemical Society, 2006, 128, 15996-15997.	13.7	63
53	In Vitro and In Vivo Evaluation of a Novel99mTc(CO)3-Pyrazolyl Conjugate ofcyclo-(Arg-Gly-Asp-d-Tyr-Lys). Bioconjugate Chemistry, 2007, 18, 530-537.	3.6	63
54	Metal-Mediated Retro Dielsâ^'Alder of Dicyclopentadiene Derivatives:â€‰ A Convenient Synthesis of [(Cp-R)M(CO)₃] (M = ^{99m}Tc, Re) Complexes. Journal of the American Chemical Society, 2008, 130, 1554-1555.	13.7	63

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55	Toward Novel DNA Binding Metal Complexes:Â Structure and Basic Kinetic Data of [M(9MeG)2(CH3OH)(CO)3]+(M =99Tc, Re). Inorganic Chemistry, 2003, 42, 2818-2820.	4.0	62
56	Metal carbonyl syntheses XXII. Low-pressure carbonylation of [MOCl4]â^' and [MO4]â^'. The technetium(I) and rhenium(I) complexes [NEt4]2[MCl3(CO)3]. Journal of Organometallic Chemistry, 1995, 492, 217-224.	1.8	61
57	Conjugation of a novel histidine derivative to biomolecules and labelling with [99mTc(OH2)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
58	Cyanide-Bridged Vitamin B12-Cisplatin Conjugates. Chemistry - A European Journal, 2005, 11, 4089-4095.	3.3	61
59	[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
60	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
61	Reactivity of [Re{Î³3-H(Î¼-H)B(timMe)2}(CO)3] (timMe = 2-Mercapto-1-methylimidazolyl) toward Neutral Substrates. Inorganic Chemistry, 2002, 41, 2422-2428.	4.0	59
62	Very Small and Soft Scorpionates:â€‰ Water Stable Technetium Tricarbonyl Complexes Combining a Bis-agostic (κ3-H, H, S) Binding Motif with Pendant and Integrated Bioactive Molecules. Journal of the American Chemical Society, 2006, 128, 14590-14598.	13.7	58
63	Fluorescent sensing of⁹⁹Tc pertechnetate in water. Chemical Science, 2014, 5, 1820-1826.	7.4	57
64	Induction of DNA-Double-Strand Breaks by Auger Electrons from 99mTc Complexes with DNA-Binding Ligands. ChemBioChem, 2005, 6, 414-421.	2.6	56
65	The Chemistry of Technetiumâ€“Water Complexes within the Manganese Triad: Challenges and Perspectives. European Journal of Inorganic Chemistry, 2009, 2009, 21-31.	2.0	56
66	Direct Synthesis of Tricarbonyl(cyclopentadienyl)rhenium and Tricarbonyl(cyclopentadienyl)technetium Units from Ferrocenyl Moietiesâ^' Preparation of 17Î±-Ethynylestradiol Derivatives Bearing a Tricarbonyl(cyclopentadienyl)technetium Group. European Journal of Inorganic Chemistry, 2004, 2004, 2013-2017.	2.0	55
67	Ligand exchange reactions starting from [Re(CO)3Br3]2â^'. Synthesis, characterization and structures of rhenium(I) tricarbonyl complexes with thiourea and thiourea derivatives. Inorganica Chimica Acta, 1996, 248, 193-202.	2.4	54
68	Complete Carbonylation offac-[Tc(H2O)3(CO)3]+ under CO Pressure in Aqueous Media: A Single Sample Story!. Angewandte Chemie - International Edition, 2000, 39, 254-256.	13.8	54
69	Title is missing!. Transition Metal Chemistry, 1997, 22, 597-601.	1.4	53
70	S-Functionalized Cysteine: Powerful Ligands for the Labelling of Bioactive Molecules with Triaquatricarbonyltechnetium-99m(1+) ([99mTc(OH2)3(CO)3]+). Helvetica Chimica Acta, 2005, 88, 447-460.	1.6	51
71	TROTEC-1:Â A New High-Affinity Ligand for Labeling of the Dopamine Transporter. Journal of Medicinal Chemistry, 1998, 41, 4429-4432.	6.4	50
72	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

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73	Alkyltechnetium Oxides: First Examples and Reactions. Angewandte Chemie International Edition in English, 1990, 29, 189-191.	4.4	49
74	From Tc^{VII} to Tc^I; facile syntheses of bis-arene complexes [^{99(m)}Tc(arene)₂]⁺ from pertechnetate. Chemical Science, 2015, 6, 165-169.	7.4	49
75	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. Inorganic Chemistry, 1992, 31, 895-899.	4.0	48
76	Relevance of the Ligand Exchange Rate and Mechanism of fac-[(CO)3M(H2O)3]+ (M = Mn, Tc, Re) Complexes for New Radiopharmaceuticals. Inorganic Chemistry, 2006, 45, 10378-10390.	4.0	48
77	Structureâ€“Activity and Stability Relationships for Cobalt Polypyridylâ€Based Hydrogenâ€Evolving Catalysts in Water. ChemSusChem, 2017, 10, 4570-4580.	6.8	47
78	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
79	Vitamin B12 as a carrier for targeted platinum delivery: in vitro cytotoxicity and mechanistic studies. Journal of Biological Inorganic Chemistry, 2011, 16, 33-44.	2.6	46
80	Nuclear Targeting with an Auger Electron Emitter Potentiates the Action of a Widely Used Antineoplastic Drug. Bioconjugate Chemistry, 2015, 26, 2397-2407.	3.6	46
81	Re Tricarbonyl Complexes with Ligands Containing P,N,N and P,N,O Donor Atom Sets:Â Synthesis and Structural Characterization. Inorganic Chemistry, 2001, 40, 5147-5151.	4.0	45
82	Tuning the Spin State of Cobalt in a Coâ€“La Heterometallic Complex through Controllable Coordination Sphere of La. Angewandte Chemie - International Edition, 2011, 50, 5504-5508.	13.8	45
83	Synthesis and Performance of Acyloxy-diene-Fe(CO)₃ Complexes with Variable Chain Lengths as Enzyme-Triggered Carbon Monoxide-Releasing Molecules. Organometallics, 2013, 32, 3587-3594.	2.3	45
84	Steps towards [(C5Me5)TcO3]: Novel synthesis of [(C5Me5)Tc(CO)3] from [{Tc(Î¼3â^'OH)(CO)3}4] and oxidation of [(C5Me5)M(CO)3] (M = Tc, Re) with Br2. Polyhedron, 1998, 17, 1133-1140.	2.2	40
85	Platinum(II) and technetium(I) complexes anchored to ethynylestradiol: a way to drug targeting and delivery. Inorganica Chimica Acta, 2004, 357, 2157-2166.	2.4	40
86	Head-to-Head (HH) and Head-to-Tail (HT) Conformers ofcis-Bis Guanine Ligands Bound to the [Re(CO)3]+Core. Inorganic Chemistry, 2004, 43, 2087-2096.	4.0	40
87	Metal Complex Mediated Conjugation of Peptides to Nucleus Targeting Acridine Orange: A Modular Concept for Dual-Modality Imaging Agents. Bioconjugate Chemistry, 2011, 22, 958-967.	3.6	39
88	Organometallic Radiopharmaceuticals. Topics in Organometallic Chemistry, 2010, , 219-246.	0.7	38
89	A simple single-step synthesis of [99Tc3H3(CO)12] from [99TcO4]â€“and its X-ray crystal structure. Application to the production of no-carrier added [188Re3H3(CO)12]. Chemical Communications, 1996, , 1291-1292.	4.1	37
90	Mechanistic Changeover for the Water Substitution onfac-[(CO)3Re(H2O)3]+Revealed by High-Pressure NMR. Inorganic Chemistry, 2004, 43, 865-873.	4.0	37

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91	Syntheses and characterization of vitamin B12â€“Pt(II) conjugates and their adenosylation in an enzymatic assay. Journal of Biological Inorganic Chemistry, 2008, 13, 335-347.	2.6	37
92	Synthesis and Reactivity of the 17 eâ˙ Complex [ReIIBr4(CO)2]2â˙: A Convenient Entry into Rhenium(II) Chemistry. Inorganic Chemistry, 2009, 48, 8965-8970.	4.0	37
93	Atomically dispersed hybrid nickel-iridium sites for photoelectrocatalysis. Nature Communications, 2017, 8, 1341.	12.8	37
94	High-Valent Technetium Complexes with the [99TcO3]+ Core from in Situ Prepared Mixed Anhydrides of [99TcO4]- and Their Reactivities. Inorganic Chemistry, 2008, 47, 257-264.	4.0	36
95	Surfactant protein B labelled with [99mTc(CO)3(H2O)3]+ retains biological activity in vitro. Nuclear Medicine and Biology, 2001, 28, 243-250.	0.6	35
96	Structures of the b- and d-Acid Derivatives of Vitamin B12 and Their Complexes with [M(CO)3]+ (M) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.0	35
97	Aqueous syntheses of [(Cp-R)M(CO)3] type complexes (Cp=cyclopentadienyl, M=Mn, 99mTc, Re) with bioactive functionalities. Journal of Organometallic Chemistry, 2009, 694, 981-987.	1.8	35
98	Light-Induced H₂ Evolution with a Macrocyclic Cobalt Diketo-Pyrphyrin as a Proton-Reducing Catalyst. Inorganic Chemistry, 2018, 57, 1651-1655.	4.0	35
99	Preparation and biological evaluation of cyclopentadienyl-based 99mTc-complexes [(Cp-R)99mTc(CO)3] mimicking benzamides for malignant melanoma targeting. Nuclear Medicine and Biology, 2010, 37, 255-264.	0.6	34
100	Novel water-soluble 99mTc(I)/Re(I)-porphyrin conjugates as potential multimodal agents for molecular imaging. Journal of Inorganic Biochemistry, 2013, 122, 57-65.	3.5	34
101	Conjugates of vitamin B12 with NÎµ-functionalized histidine for labeling with [99mTc(OH2)3(CO)3]+: synthesis and biodistribution studies in tumor bearing mice. Journal of Organometallic Chemistry, 2004, 689, 4803-4810.	1.8	33
102	Ruthenium Water Oxidation Catalysts based on Pentapyridyl Ligands. ChemSusChem, 2017, 10, 4517-4525.	6.8	32
103	Ultrafast Vibrational Energy Transfer in Catalytic Monolayers at Solidâ€“Liquid Interfaces. Journal of Physical Chemistry Letters, 2017, 8, 2489-2495.	4.6	31
104	Picolylamine-methylphosphonic acid esters as tridentate ligands for the labeling of alcohols with the fac-[M(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
105	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,99mTc). Organometallics, 2012, 31, 6880-6886.	2.3	30
106	Towards Matched Pairs of Porphyrinâ€“Re^I/^{99m}Tc^I Conjugates that Combine Photodynamic Activity with Fluorescence and Radio Imaging. ChemMedChem, 2014, 9, 1231-1237.	3.2	30
107	Rhodium(III) Complexes with Acyclic Tetrathioether Ligands. Effects of Backbone Chain Length on the Conformation of the Rh(III) Complex. Inorganic Chemistry, 1996, 35, 7546-7555.	4.0	29
108	Syntheses of Highâ€Valent facâ€[^{99m}TcO₃]⁺ 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

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109	Synthesis and Molecular Structure of ⁹⁹Tc Corroles. Chemistry - A European Journal, 2016, 22, 18747-18751.	3.3	29
110	From porphyrins to pyrphyrins: adsorption study and metalation of a molecular catalyst on Au(111). Nanoscale, 2016, 8, 7958-7968.	5.6	29
111	Multifunctional Cyclopentadienes as a Scaffold for Combinatorial Bioorganometallics in [(Î·⁵â€C₅H₂R₁R₂R₃)M(CO)₃] (M=Re, ^{99m}Tc) Pianoâ€Stool Complexes. Chemistry - A European Journal, 2018, 24, 10156-10164.	3.8	29
112	Rhenium and technetium complexes with diphenyl(2-pyridyl)phosphine. Polyhedron, 1999, 18, 2995-3003.	2.2	28
113	Binding Interaction of [Re(H₂O)₃(CO)₃]⁺ with the DNA Fragment d(CpGpG). Inorganic Chemistry, 2007, 46, 10458-10460.	4.0	28
114	The [(Cp)M(CO)₃] (M=Re, ^{99m}Tc) Building Block for Imaging Agents and Bioinorganic Probes: Perspectives and Limitations. Chemistry and Biodiversity, 2012, 9, 1849-1866.	2.1	28
115	^{99m}Tc Radiolabeling and Biological Evaluation of Nanoparticles Functionalized with a Versatile Coating Ligand. Chemistry - A European Journal, 2015, 21, 6090-6099.	3.3	28
116	A Mixed-Ring Sandwich Complex from Unexpected Ring Contraction in [Re(Î·⁶-C₆H₅Br)(Î·⁶-C₆R₆)](PF₆)₂. Inorganic Chemistry, 2017, 56, 6297-6301.	4.6	28
117	Synthesis and structures of technetium(I) and rhenium(I) tricarbonyl complexes with bis(diphenylthiophosphoryl)amide, |M(CO)3[(Ph2PS)2N](CH3CN)| (M = Tc, Re). Polyhedron, 1998, 17, 1303-1309.	2.2	27
118	Central vs. peripheral Ag(i) coordination in NS3-open chain and cage ligands. Dalton Transactions RSC, 2002, , 4143-4151.	2.3	27
119	Thiourea Derivatives as Potent Inhibitors of Aluminum Corrosion: Atomic-Level Insight into Adsorption and Inhibition Mechanisms. Journal of Physical Chemistry C, 2016, 120, 1770-1777.	3.1	27
120	Synthesis of rhenium(I) and technetium(I) carbonyl/dithioether ligand complexes bearing 3,17Î²-estradiol. Bioorganic and Medicinal Chemistry Letters, 1997, 7, 2243-2246.	2.2	26
121	Quinones as Reversible Electron Relays in Artificial Photosynthesis. ChemPhysChem, 2016, 17, 1321-1328.	2.1	26
122	Structure and reactivities of rhenium and technetium bis-arene sandwich complexes [M(Î·⁶-arene)₂]⁺. Dalton Transactions, 2017, 46, 14631-14637.	3.3	26
123	Combined orbital tomography study of multi-configurational molecular adsorbate systems. Nature Communications, 2019, 10, 5255.	12.8	26
124	Heterobimetallic Hydroxy Complexes:[Re3(CO)9(Î¼2-OH)3(Î¼3-OH)]â^' as a Novel Tripodal Ligand. Angewandte Chemie International Edition in English, 1996, 35, 432-434.	4.4	25
125	Evaluation of two chelators for labelling a PNA monomer with the fac-[99mTc(CO)3]+ moiety. Journal of Organometallic Chemistry, 2007, 692, 1332-1339.	1.8	25
126	Synthesis, characterization, and evaluation of a novel 99mTc(CO)3 pyrazolyl conjugate of a peptide nucleic acid sequence. Journal of Biological Inorganic Chemistry, 2008, 13, 1335-1344.	2.6	25

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#	Article	IF	Citations
271	Editorial. Chimia, 2014, 68, 289.	0.6	0