

Manuel GarcÃ-a Basallote

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Trapping a Highly Reactive Nonheme Iron Intermediate That Oxygenates Strong C-H Bonds with Stereoretention. <i>Journal of the American Chemical Society</i> , 2015, 137, 15833-15842.	6.6	149
2	Exceedingly Fast Oxygen Atom Transfer to Olefins via a Catalytically Competent Nonheme Iron Species. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 6310-6314.	7.2	61
3	Hydrogen and Copper Ion-Induced Molecular Reorganizations in Scorpionand-like Ligands. A Potentiometric, Mechanistic, and Solid-State Study. <i>Inorganic Chemistry</i> , 2007, 46, 5707-5719.	1.9	51
4	Crucial Role of Anions on the Deprotonation of the Cationic Dihydrogen Complex $\text{trans-}[\text{FeH}(\eta\text{-}2\text{-H}_2)(\text{dppe})_2]^+$. <i>Journal of the American Chemical Society</i> , 2007, 129, 6608-6618.	6.6	51
5	New Insights into the Mechanism of Proton Transfer to Hydride Complexes: Kinetic and Theoretical Evidence Showing the Existence of Competitive Pathways for Protonation of the Cluster $[\text{W}_3\text{S}_4\text{H}_3(\text{dmpe})_3]^+$ with Acids. <i>Chemistry - A European Journal</i> , 2006, 12, 1413-1426.	1.7	44
6	Acid-Triggered O-O Bond Heterolysis of a Nonheme Fe(III)(OOH) Species for the Stereospecific Hydroxylation of Strong C-H Bonds. <i>Chemistry - A European Journal</i> , 2018, 24, 5331-5340.	1.7	43
7	Kinetics of formation of dihydrogen complexes: protonation of $\text{cis-}[\text{FeH}_2\{\text{P}(\text{CH}_2\text{CH}_2\text{PPh}_2)_3\}]$ with acids in tetrahydrofuran. <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 745-750.	1.1	41
8	Mechanism of the Reaction of the $[\text{W}_3\text{S}_4\text{H}_3(\text{dmpe})_3]^+$ Cluster with Acids: Evidence for the Acid-Promoted Substitution of Coordinated Hydrides and the Effect of the Attacking Species on the Kinetics of Protonation of the Metal-Hydride Bonds. <i>Chemistry - A European Journal</i> , 2004, 10, 1463-1471.	1.7	39
9	The Effect of the Inert Counteranions in the Deprotonation of the Dihydrogen Complex $\text{trans-}[\text{FeH}(\eta\text{-}2\text{-H}_2)(\text{dppe})_2]^+$: A Kinetic and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2004, 126, 2320-2321.	6.6	39
10	Synthesis, Crystal Structure, Aqueous Speciation, and Kinetics of Substitution Reactions in a Water-Soluble Mo_3S_4 Cluster Bearing Hydroxymethyl Diphosphine Ligands. <i>Inorganic Chemistry</i> , 2007, 46, 7668-7677.	1.9	37
11	Chiral $[\text{Mo}_3\text{S}_4\text{H}_3(\text{diphosphine})_3]^+$ Hydrido Clusters and Study of the Effect of the Metal Atom on the Kinetics of the Acid-Assisted Substitution of the Coordinated Hydride: Mo vs W. <i>Inorganic Chemistry</i> , 2010, 49, 5935-5942.	1.9	37
12	New multidentate ligands. 29. Stabilities of metal complexes of the binucleating macrocyclic ligand BISBAMP and dioxygen affinity of its dinuclear cobalt(II) complex. <i>Inorganic Chemistry</i> , 1988, 27, 4219-4224.	1.9	36
13	Kinetics of protonation of $\text{cis-}[\text{FeH}_2(\text{dppe})_2]$: formation of the dihydrogen complex $\text{trans-}[\text{FeH}(\text{H}_2)(\text{dppe})_2]^+$ ($\text{dppe} = \text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2$). <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 2205-2210.	1.1	29
14	Molecular recognition of dipeptides. Catalysis of deuteration and hydrolysis of glycylglycine by dinuclear OBISDIEN Zn(II) complexes. <i>Inorganica Chimica Acta</i> , 1999, 287, 134-141.	1.2	28
15	Unexpected Mechanism for Substitution of Coordinated Dihydrogen in $\text{trans-}[\text{FeH}(\text{H}_2)(\text{DPPE})_2]^+$. <i>Inorganic Chemistry</i> , 1998, 37, 1623-1628.	1.9	27
16	Synthesis and structure of the incomplete cuboidal clusters $[\text{W}_3\text{Se}_4\text{H}_3(\text{dmpe})_3]^+$, $[\text{W}_3\text{Se}_4\text{H}_3\text{X}(\text{OH})(\text{dmpe})_3]^+$ and $[\text{W}_3\text{Se}_4(\text{OH})_3(\text{dmpe})_3]^+$, and the mechanism of the acid-assisted substitution of the coordinated hydrides. <i>Dalton Transactions</i> , 2004, , 530-536.	1.6	27
17	Water-Soluble Mo_3S_4 Clusters Bearing Hydroxypropyl Diphosphine Ligands: Synthesis, Crystal Structure, Aqueous Speciation, and Kinetics of Substitution Reactions. <i>Inorganic Chemistry</i> , 2012, 51, 6794-6802.	1.9	27
18	The Structure of $([\text{W}_3\text{Q}_4\text{X}_3(\text{dmpe})_3]^+, \text{Y}^-)$ Ion Pairs (Q = S, Se; X = H, OH, Br; Y = BF_4 , PF_6 , $\text{dmpe} = \text{Et}_2\text{PCH}_2\text{CH}_2\text{PPh}_2$) / Overlock 10 TF 5 Proton Transfer to the Hydride Cluster $[\text{W}_3\text{S}_4\text{H}_3(\text{dmpe})_3]^+$. <i>Inorganic Chemistry</i> , 2006, 45, 5774-5784.	1.9	26

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19	Mechanisms of Reactions of Dihydrogen Complexes: Formation of $\text{trans-[RuH(H}_2\text{)(dppe)}_2\text{]}^+$ and Substitution of Coordinated Dihydrogen. <i>Inorganic Chemistry</i> , 1999, 38, 5067-5071.	1.9	25
20	Synthesis, Reactivity, and Kinetics of Substitution in W_3PdSe_4 Cuboidal Clusters. A Reexamination of the Kinetics of Substitution of the Related W_3S_4 Cluster with Thiocyanate. <i>Inorganic Chemistry</i> , 2009, 48, 3639-3649.	1.9	24
21	Stability and kinetics of the acid-promoted decomposition of Cu(II) complexes with hexaazacyclophanes: kinetic studies as a probe to detect changes in the coordination mode of the macrocycles. <i>Dalton Transactions</i> , 2004, , 94-103.	1.6	23
22	Kinetics of Formation of Dihydrogen Complexes by Protonation of CpRuHL Complexes (L = DPPM, DPPE,) Tj ETQq0 0 0 rgBT /Overlock 1 Other Acids. <i>Organometallics</i> , 2000, 19, 695-698.	1.1	22
23	Hydrogen and Copper Ion Induced Molecular Reorganizations in Two New Scorpion-Like Ligands Appended with Pyridine Rings. <i>Inorganic Chemistry</i> , 2010, 49, 7016-7027.	1.9	22
24	Catalytic Hydrogenation of Azobenzene in the Presence of a Cuboidal Mo_3S_4 Cluster via an Uncommon Sulfur-Based H_2 Activation Mechanism. <i>ACS Catalysis</i> , 2021, 11, 608-614.	5.5	22
25	Kinetics and mechanism of formation and decomposition of copper(II) complexes with a binucleating hexaazamacrocycle. <i>Polyhedron</i> , 1996, 15, 3511-3517.	1.0	21
26	Equilibrium studies and molecular recognition in the glycyglycine, dl-alanyl-dl-alanine and glycy-l-leucine Cu(II)-1,4,7,13,16,19-hexaaza-10,22-dioxacyclotetracosane complexes. <i>Inorganica Chimica Acta</i> , 1997, 254, 345-351.	1.2	20
27	Statistically controlled kinetics for the formation and decomposition of binuclear complexes of Cu(I) with a large octaaza cryptand. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3817-3823.	1.1	20
28	Equilibrium studies on the protonation and Cu(II) complexation by an hexaaza macrocycle containing p-xylyl spacers. The crystal structure of the hexaprotonated ligand and the kinetics of decomposition of the Cu(II) complexes. <i>Polyhedron</i> , 2001, 20, 297-305.	1.0	20
29	Speciation-controlled incipient wetness impregnation: A rational synthetic approach to prepare sub-nanosized and highly active ceria-zirconia supported gold catalysts. <i>Journal of Catalysis</i> , 2014, 318, 119-127.	3.1	20
30	Kinetic studies on the reactions of macrocyclic complexes: formation of mono- and bi-nuclear copper(II) complexes with a binucleating hexaaza macrocycle in slightly acidic solutions. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 1093-1100.	1.1	19
31	Exceedingly Fast Oxygen Atom Transfer to Olefins via a Catalytically Competent Nonheme Iron Species. <i>Angewandte Chemie</i> , 2016, 128, 6418-6422.	1.6	19
32	The kinetics and mechanisms of reactions involving the dihydrogen complex $\text{trans-[FeH(H}_2\text{)(DPPE)}_2\text{]}^+$ and related compounds. <i>Journal of Organometallic Chemistry</i> , 2000, 609, 29-35.	0.8	18
33	A DFT and TD-DFT Approach to the Understanding of Statistical Kinetics in Substitution Reactions of M_3Q_4 ($\text{M}=\text{Mo, W; Q}=\text{S, Se}$) Cuboidal Clusters. <i>Chemistry - A European Journal</i> , 2012, 18, 5036-5046.	1.7	18
34	Influence of the Ligand Alkyl Chain Length on the Solubility, Aqueous Speciation, and Kinetics of Substitution Reactions of Water-Soluble M_3S_4 ($\text{M}=\text{Mo, W}$) Clusters Bearing Hydroxyalkyl Diphosphines. <i>Inorganic Chemistry</i> , 2013, 52, 8713-8722.	1.9	18
35	Synthesis and Structure of Trinuclear W_3S_4 Clusters Bearing Aminophosphine Ligands and Their Reactivity toward Halides and Pseudohalides. <i>Inorganic Chemistry</i> , 2015, 54, 607-618.	1.9	18
36	Kinetic Analysis and Mechanism of the Hydrolytic Degradation of Squaramides and Squaramic Acids. <i>Journal of Organic Chemistry</i> , 2017, 82, 2160-2170.	1.7	18

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37	Kinetics of reaction of the Fell-cyclam complex with H ₂ O ₂ in acetonitrile and the mechanism of catalyzed epoxidation of cyclohexene. <i>Polyhedron</i> , 1997, 16, 3827-3833.	1.0	17
38	Thermodynamic and kinetic studies on the Cu ²⁺ coordination chemistry of a novel binucleating pyridinophane ligand. Electronic supplementary information (ESI) available: Table S1: observed rate constants for the acid-promoted decomposition of Cu ²⁺ complexes with ligand L. Table S2: observed rate constants for the acid-promoted decomposition of Cu ²⁺ complexes with macrocycle L1. Fig. S1: Variation of some selected ¹³ C chemical shifts as a function of pH. See http://www.rsc.org/suppdata/dt/b2/b209013a/ . <i>Dalton Transactions</i> , 2003, , 1186-1193.	1.6	17
39	Synthesis of the Novel [W ₃ PdS ₄ H ₃ (dmpe) ₃ (CO)] ⁺ +Cubane Cluster and Kinetic Studies on the Substitution of Coordinated Hydrides in Acidic Media. <i>Inorganic Chemistry</i> , 2006, 45, 5576-5584.	1.9	17
40	Copper(II) complexes of quinoline polyazamacrocyclic scorpionand-type ligands: X-ray, equilibrium and kinetic studies. <i>Dalton Transactions</i> , 2012, 41, 5617.	1.6	17
41	Stability and kinetics of decomposition of binuclear Cu(II) complexes with a symmetrical hexaaza macrocycle: the effect of SCN ⁻ as ancillary ligand. <i>Polyhedron</i> , 2001, 20, 75-82.	1.0	16
42	Unprecedented Solvent-Assisted Reactivity of Hydrido W ₃ Cu ₄ Cubane Clusters: The Non-Innocent Behaviour of the Cluster-Core Unit. <i>Chemistry - A European Journal</i> , 2009, 15, 4582-4594.	1.7	16
43	Geometric Isomerism in Pentacoordinate Cu ²⁺ Complexes: Equilibrium, Kinetic, and Density Functional Theory Studies Reveal the Existence of Equilibrium between Square Pyramidal and Trigonal Bipyramidal Forms for a Tren-Derived Ligand. <i>Inorganic Chemistry</i> , 2009, 48, 902-914.	1.9	16
44	Mechanistic aspects of the chemistry of mononuclear Cr(III) complexes with pendant-arm macrocyclic ligands and formation of discrete Cr(III)/Fell and Cr(III)/Fell/Co(III) cyano-bridged mixed valence compounds. <i>Dalton Transactions</i> , 2009, , 9567.	1.6	16
45	Coordination Chemistry of Cu ²⁺ Complexes of Small N-Alkylated Tetra-azacyclophanes with SOD Activity. <i>Inorganic Chemistry</i> , 2018, 57, 10961-10973.	1.9	16
46	Kinetics and mechanism of the decomposition of cobalt dioxygen complexes of the binucleating macrocyclic ligand BISBAMP [3,9,17,23,29,30-hexaaza-6,20-dioxatricyclo[23.3.1.111,15]triaconta-1(28),11,13,15(30),25(29),26-hexaene]. <i>Inorganic Chemistry</i> , 1989, 28, 3494-3499.	1.9	15
47	Structurally Different Dinuclear Copper(II) Complexes with the Same Triazolopyrimidine Bridging Ligand. <i>European Journal of Inorganic Chemistry</i> , 2002, 2002, 811-818.	1.0	15
48	Exploring the Properties and Optical Sensing Capability of Sol-Gel Materials Containing a Covalently Bonded Binucleating Cryptand. <i>Chemistry of Materials</i> , 2003, 15, 2025-2032.	3.2	15
49	Hydrogen-ion driven molecular motions in Cu ²⁺ -complexes of a ditopic phenanthroline ligand. <i>Chemical Communications</i> , 2003, , 3032-3033.	2.2	15
50	The Role of Solvent on the Mechanism of Proton Transfer to Hydride Complexes: The Case of the [W ₃ PdS ₄ H ₃ (dmpe) ₃ (CO)] ⁺ Cubane Cluster. <i>Chemistry - A European Journal</i> , 2010, 16, 1613-1623.	1.7	15
51	Synthesis and X-ray structural study of a novel ruthenium(III) ethylenediaminetetraacetate complex. The first compound showing an unusual coordination site for a carboxylic (glycine) group. <i>Journal of the Chemical Society Chemical Communications</i> , 1991, , 100-101.	2.0	14
52	An unexpected molybdenum(0) complex with MoP ₆ coordination: crystal structure of [Mo{P(CH ₂ CH ₂ Ph) ₂] ₂ · C ₅ H ₁₀ . <i>Journal of Organometallic Chemistry</i> , 1991, 420, 371-377.	0.8	14
53	Synthesis, equilibrium studies and structural characterisation of the Zn(II) complexes with trimethylene-N ₆ ,N ₆ -bisadenine. <i>Journal of Inorganic Biochemistry</i> , 2003, 93, 141-151.	1.5	14
54	Cycloaddition of alkynes to diimino Mo ₃ S ₄ cubane-type clusters: a combined experimental and theoretical approach. <i>New Journal of Chemistry</i> , 2016, 40, 7872-7880.	1.4	14

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55	Sol-gel materials with trapped trinuclear class-II mixed-valence macrocyclic complexes that mimic their solution redox behaviour. <i>New Journal of Chemistry</i> , 2008, 32, 264-272.	1.4	13
56	Kinetics Aspects of the Reversible Assembly of Copper in Heterometallic Mo ₃ Cu ₄ Clusters with 4,4'-di-tert-butyl-2,2'-bipyridine. <i>Inorganic Chemistry</i> , 2016, 55, 9912-9922.	1.9	13
57	Displacement of tetrahydrofuran ligands by tripodal phosphines. Crystal structure of [MoCl ₃ {N(CH ₂ CH ₂ PPH ₂) ₃ }]·C ₄ H ₈ O. <i>Journal of the Chemical Society Dalton Transactions</i> , 1991, , 3149-3151.	1.1	12
58	Stability and kinetics of the acid-promoted decomposition of tertiary binuclear CuII ₂ L ₂ ⁺ complexes (L) Tj ETQq0 0 0 rgBT /Overlock 10 dissociation of the cryptand. <i>Dalton Transactions RSC</i> , 2002, , 2074.	2.3	12
59	Synthesis and Cu(II) coordination of two new hexaamines containing alternated propylenic and ethylenic chains: Kinetic studies on pH-driven metal ion slippage movements. <i>Inorganica Chimica Acta</i> , 2006, 359, 2004-2014.	1.2	12
60	Site specific ligand substitution in cubane-type Mo ₃ FeS ₄ ⁺ clusters: Kinetics and mechanism of reaction and isolation of mixed ligand Cl/SPh complexes. <i>Dalton Transactions</i> , 2010, 39, 3725.	1.6	12
61	Equilibrium and kinetic studies on complex formation and decomposition and the movement of Cu ²⁺ metal ions within polytopic receptors. <i>Dalton Transactions</i> , 2013, 42, 6131.	1.6	12
62	Mechanism of [3+2] Cycloaddition of Alkynes to the [Mo ₃ S ₄ (acac) ₃ (py) ₃][PF ₆] ⁻ Cluster. <i>Chemistry - A European Journal</i> , 2015, 21, 2835-2844.	1.7	12
63	Cuboidal Mo ₃ S ₄ Clusters as a Platform for Exploring Catalysis: A Three-Center Sulfur Mechanism for Alkyne Semihydrogenation. <i>ACS Catalysis</i> , 2018, 8, 7346-7350.	5.5	12
64	A combined stopped-flow, electrospray ionization mass spectrometry and ³¹ P NMR study on the acetic acid-mediated fragmentation of the hydroxo-chalcogenide cluster [W ₃ Se ₄ (OH) ₃ (dmpe) ₃]+(dmpe =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf <i>Dalton Transactions</i> , 2006, , 5725-5733.	1.6	11
65	Synthesis, Protonation and Cu ^{II} Complexes of Two Novel Isomeric Pentaazacyclophane Ligands: Potentiometric, DFT, Kinetic and AMP Recognition Studies. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 62-75.	1.0	11
66	Chemistry of cobalt complexes with 1,2-bis-(diethylphosphino)ethane: hydrides, carbon disulfide complexes, and C-H cleavage in activated alk-1-yne. Crystal structure of [CoH(Ci-CCO ₂ Et)(Et ₂ PCH ₂ CH ₂ PEt ₂) ₂][BPh ₄]. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 1841-1847.	1.1	10
67	Catalytic effect of a second H ₃ PO ₂ in the mechanism of stabilisation of the unstable pyramidal tautomer of H ₃ PO ₂ coordinated at [Mo ₃ S ₄ M ²⁺] clusters (M ²⁺ = Ni, Pd). <i>Chemical Communications</i> , 2007, , 3071-3073.	2.2	10
68	Kinetic and DFT Studies on the Mechanism of C-S Bond Formation by Alkyne Addition to the [Mo ₃ S ₄ (H ₂ O) ₉] ⁴⁺ Cluster. <i>Inorganic Chemistry</i> , 2013, 52, 14334-14342.	1.9	10
69	Steady-state isotopic transient kinetic analysis of the H ₂ /D ₂ exchange reaction as a tool for characterising the metal phase in supported platinum catalysts. <i>Applied Catalysis A: General</i> , 2002, 232, 39-50.	2.2	9
70	Equilibrium, Kinetic, and Computational Studies on the Formation of Cu ²⁺ and Zn ²⁺ Complexes with an Indazole-Containing Azamacrocyclic Scorpionand: Evidence for Metal-Induced Tautomerism. <i>Inorganic Chemistry</i> , 2015, 54, 1983-1991.	1.9	9
71	Pitfalls in the ABTS Peroxidase Activity Test: Interference of Photochemical Processes. <i>Inorganic Chemistry</i> , 2018, 57, 14471-14475.	1.9	9
72	Striking medium effects on the kinetics of decomposition of macrocyclic Cu ²⁺ complexes: Additional considerations to be taken when designing Copper-64 radiopharmaceuticals. <i>Inorganic Chemistry Communication</i> , 2010, 13, 1272-1274.	1.8	8

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73	Structural reorganisation in polytopic receptors revealed by kinetic studies. <i>Chemical Communications</i> , 2010, 46, 6081.	2.2	8
74	On the Critical Effect of the Metal (Mo vs. W) on the [3+2] Cycloaddition Reaction of M_3S_4 Clusters with Alkynes: Insights from Experiment and Theory. <i>Chemistry - A European Journal</i> , 2015, 21, 14823-14833.	1.7	8
75	Salen-manganese complexes for controlling ROS damage: Neuroprotective effects, antioxidant activity and kinetic studies. <i>Journal of Inorganic Biochemistry</i> , 2020, 203, 110918.	1.5	8
76	Dinitrogen and related compounds of molybdenum with the tripodal phosphines $N(CH_2CH_2PPh_2)_3$ or $P(CH_2CH_2PPh_2)_3$ as coligands. <i>Journal of the Chemical Society Dalton Transactions</i> , 1993, , 923-926.	1.1	7
77	Fell complexes with tripod phosphines, $Ph_2PCH_2CH_2PPh_2$ and NEt_3 : Stability and kinetics of formation. <i>Polyhedron</i> , 1995, 14, 1865-1871.	1.0	7
78	Kinetics and mechanism of substitution reactions in $cis-[RuCl(L)(dppe)_2]^+$ complexes ($L = \text{RCN}$, Tj ETQqO 0,0 rgBT /Qyerlock 10	1.1	7
79	Reversible Binuclear Cu(II) Complex Formation in a New Sonogel Cryptand Hybrid Material. <i>Chemistry of Materials</i> , 2002, 14, 670-676.	3.2	7
80	Equilibrium and kinetic studies on the formation of mono- and bi-nuclear Ni complexes with a binucleating hexaaza macrocycle. <i>Dalton Transactions RSC</i> , 2002, , 3691-3695.	2.3	7
81	Ag(I) complexes with alkylidene-bis(2-aminopyrimidines) as building units for discrete metallomacrocyclic frames. A structural and solution study. <i>Dalton Transactions</i> , 2005, , 3763.	1.6	7
82	Correlation between the molecular structure and the kinetics of decomposition of azamacrocyclic copper complexes. <i>Dalton Transactions</i> , 2015, 44, 8255-8266.	1.6	7
83	Thermal decomposition of palladium complexes with propylenediaminetetraacetic acid. <i>Thermochimica Acta</i> , 1982, 58, 317-324.	1.2	6
84	Equilibrium and Kinetic Properties of Cu^{II} Cyclophane Complexes: The Effect of Changes in the Macrocyclic Cavity Caused by Changes in the Substitution at the Aromatic Ring. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 1497-1507.	1.0	6
85	The role of hydroxo-bridged dinuclear species and the influence of innocent buffers in the reactivity of $cis-[CoIII(cyclen)(H_2O)_2]^{3+}$ and $[CoIII(tren)(H_2O)_2]^{3+}$ complexes with biologically relevant ligands at physiological pH. <i>Dalton Transactions</i> , 2014, 43, 11048.	1.6	6
86	Pb^{2+} complexes of small-cavity azamacrocyclic ligands: thermodynamic and kinetic studies. <i>Dalton Transactions</i> , 2017, 46, 6645-6653.	1.6	6
87	Mechanism of the decomposition reaction of $trans-[Mo(N_2)_2(PPh_2Me)_4]$ and of its reaction with pyridine. <i>Journal of the Chemical Society Dalton Transactions</i> , 1992, , 1291-1295.	1.1	5
88	Combined kinetic and DFT studies on the stabilization of the pyramidal form of H_3PO_2 at the heterometal site of $[Mo_3M_2S_4(H_2O)_{10}]^{4+}$ clusters ($M = Pd, Ni$). <i>Dalton Transactions</i> , 2009, , 1579.	1.6	5
89	Dihydrogen complexes: striking effect of ion pairing to BF_4^- on the rotation of coordinated dihydrogen and the ^{19}F relaxation time. <i>Chemical Communications</i> , 2009, , 4563.	2.2	5
90	The Solution Chemistry of Cu^{2+} -tren Complexes Revisited: Exploring the Role of Species That Are Not Trigonal Bipyramidal. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2514-2526.	1.0	5

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91	Solvent and incoming ligand effects on the mechanism of substitution reactions of trans-[FeH(L)(DPPE) ₂] ⁺ (L = MeCN), and comparison with the dihydrogen analogue (L = H ₂). <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3379-3383.		4
92	Iron(II) Complexes with Scorpion-Like Macrocyclic Polyamines: Kinetic-Mechanistic Aspects of Complex Formation and Oxidative Dehydrogenation of Coordinated Amines. <i>Inorganic Chemistry</i> , 2017, 56, 4400-4412.	1.9	4
93	Computational Insights Into the Reactivity at the Sulfur Atoms of M ₃ S ₄ (M = Mo, W) Clusters: The Mechanism of [3 + 2] Cycloaddition With Alkynes. <i>Advances in Inorganic Chemistry</i> , 2017, 70, 311-342.	0.4	4
94	Methylation as an effective way to generate SOD-activity in copper complexes of scorpion-like azamacrocyclic receptors. <i>Inorganica Chimica Acta</i> , 2018, 472, 139-148.	1.2	4
95	Proton-assisted air oxidation mechanisms of iron(ii) bis-thiosemicarbazone complexes at physiological pH: a kinetic-mechanistic study. <i>Dalton Transactions</i> , 2019, 48, 16578-16587.	1.6	4
96	Kinetics of substitution reactions of trans-[Mo(N ₂) ₂ (PPh ₂ Me) ₄] with tripodal phosphines. <i>Journal of the Chemical Society Dalton Transactions</i> , 1994, , 1717-1722.	1.1	3
97	Kinetics of substitution reactions of FeI-phosphine complexes with Cl ⁻ , Br ⁻ and SCN ⁻ in acetonitrile. A comparative study of complexes containing bidentate and tripodal phosphines. <i>Polyhedron</i> , 1996, 15, 2305-2310.	1.0	3
98	Kinetic, DFT and TD-DFT studies on the mechanism of stabilization of pyramidal H ₃ PO ₃ at the [Mo ₃ S ₄ (H ₂ O) ₁₀] ⁴⁺ clusters (M = Pd, Ni). <i>Dalton Transactions</i> , 2011, 40, 8589.	1.6	3
99	Equilibrium and kinetics studies on bibrachial lariat aza-crown/Cu(II) systems reveal different behavior associated with small changes in the structure. <i>Inorganica Chimica Acta</i> , 2014, 417, 246-257.	1.2	3
100	Benchmarking of DFT methods using experimental free energies and volumes of activation for the cycloaddition of alkynes to cuboidal Mo ₃ S ₄ clusters. <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26353.	1.0	3
101	Palladium and platinum guanine complexes. <i>Transition Metal Chemistry</i> , 1986, 11, 232-235.	0.7	2
102	¹ H and ¹³ C NMR spectra of Pd(II) and Pt(II) aminopolycarboxylates. <i>Polyhedron</i> , 1987, 6, 571-576.	1.0	2
103	Synthesis and kinetic study of palladium and platinum complexes with aminopolycarboxylate ligands. <i>Polyhedron</i> , 1994, 13, 1853-1858.	1.0	2
104	Hydroxylated phosphines as ligands for chalcogenide clusters: self assembly, transformations and stabilization. <i>Pure and Applied Chemistry</i> , 2017, 89, 379-392.	0.9	2
105	Studies on the Reactivity of the [W ₃ S ₄ Br ₃ (edpp) ₃] ⁺ [edpp = (2-aminoethyl)diphenylphosphine] Cluster Cation towards Bases: The Active Role of the Amino Group. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 5006-5014.	1.0	2
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