

Daniele A Cauzzi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3925593/publications.pdf>

Version: 2024-02-01

50
papers

880
citations

430874

18
h-index

501196

28
g-index

52
all docs

52
docs citations

52
times ranked

857
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-Dependent Fluorescence of Cu ₅ Metal Clusters: A Molecular Thermometer. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9662-9665.	13.8	87
2	Mixed-oxide catalysts involving V, Nb and Si obtained by a non-hydrolytic sol-gel route: preparation and catalytic behaviour in oxidative dehydrogenation of propane. <i>Catalysis Today</i> , 2000, 61, 353-360.	4.4	51
3	Influence of the preparation method on the thiophene HDS activity of silica supported CoMo catalysts. <i>Applied Catalysis A: General</i> , 2002, 229, 261-271.	4.3	49
4	Ph ₃ P π -Se as a convenient synthon for one-step syntheses of Ph ₃ P-substituted selenido carbonyl iron and ruthenium clusters. Crystal structures of Fe ₃ (μ_3 -Se)(μ_4 -CO)(CO) ₇ (PPh ₃) ₂ , M ₃ (μ_3 -Se) ₂ (CO) ₇ (PPh ₃) ₂ (M = Fe or Ru). <i>Journal of Organometallic Chemistry</i> , 2000, 600, 1-10.	4.0	40
5	Anchoring rhodium(I) on benzoylthiourea-functionalized silica xerogels. Production of recyclable hydroformylation catalysts and the crystal structure of the model compound [Rh(cod)(Hbztcu)Cl]. <i>Journal of Organometallic Chemistry</i> , 1995, 488, 115-125.	1.8	36
6	One-step syntheses of Ph ₃ P-substituted selenido carbonyl iron and ruthenium clusters Part 2. Crystal structures of Fe ₂ (μ_2 -Se ₂)(CO) ₆ -n(PPh ₃) _n (n=1 or 2) Fe ₃ (μ_3 -Se) ₂ (CO) ₈ (PPh ₃) and Ru ₄ (μ_4 -Se) ₂ (μ_4 -CO) ₂ (CO) ₈ (PPh ₃), and HPLC behaviour of the iron derivatives. <i>Inorganica Chimica Acta</i> , 1996, 252, 367-374.	2.4	35
7	Synthesis of diphosphine-substituted selenido carbonyl iron clusters: Progressive deformation of the Fe ₃ Se ₂ core in the nido clusters [Fe ₃ Se ₂ (CO) ₇ (μ_3 -Ph ₂ P) ₂ R] by widening the bite of the bridging ligand. <i>Journal of Organometallic Chemistry</i> , 1997, 536-537, 497-507.	1.8	35
8	Anchoring rhodium(I) on thiourea-functionalized silica xerogels and silsesquioxanes part II. Matrix effects on the selectivity in the hydroformylation of styrene. <i>Journal of Organometallic Chemistry</i> , 1997, 541, 377-389.	1.8	35
9	Chelating versus bridging behaviour and NMR fluxionality of dppf in the nido clusters [M ₃ Se ₂ (CO) ₇ (dppf) ₂] [M = Fe or Ru, dppf = 1,1'-bis(diphenylphosphino)ferrocene]. Crystal structure of the chelated ruthenium derivative. <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 3515-3521.	1.8	35
10	Reaction of CH ₂ (Ph ₂ PSe) ₂ (dppmSe ₂) with [Ru ₃ (CO) ₁₂]. Fluxional behaviour of [Ru ₃ (μ_3 -Se) ₂ (CO) ₇ (μ_4 -dppm)] and crystal structures of [Ru ₄ (μ_4 -Se) ₂ (μ_4 -CO)(CO) ₈ (μ_4 -dppm)] \cdot MeOH and [Ru ₆ (μ_3 -Se) ₄ (CO) ₁₂ (μ_4 -dppm) ₂] \cdot CH ₂ Cl ₂ . <i>Journal of the Chemical Society Dalton Transactions</i> , 1999, , 237-242.	1.8	35
11	Oxidative dehydrogenation of propane on pure and silica-dispersed multimetallic oxides based on vanadium and niobium prepared via hydrolytic and non-hydrolytic sol-gel methods. <i>Catalysis Today</i> , 2003, 81, 77-85.	4.4	30
12	Synthesis of MMoO ₄ /SiO ₂ catalysts (M=Ni or Co) by a sol-gel route via silicon alkoxides. <i>Applied Catalysis A: General</i> , 1999, 182, 125-135.	4.3	28
13	Reaction of CH ₂ (Ph ₂ PSe) ₂ with [Ru ₃ (CO) ₁₂]. Crystal structure of [Ru ₄ Se ₄ (CO) ₁₀ (Ph ₂ PCH ₂ PPh ₂)], a missing link in the [M ₄ E ₄ L ₁₂] cubane series (M = Group 8 metal, E = chalcogenido ligand). <i>Journal of the Chemical Society Dalton Transactions</i> , 1995, , 2321.	1.1	27
14	Reactivity of the methylcyclopentadienylmanganese cyanometalate Na[Cp [*] Mn(CO) ₂ CN] with titanium, zirconium, and hafnium halides. Crystal and molecular structure of the μ_3 -cyano- μ_3 -oxo tetranuclear complex [Cp [*] 2Zr{(μ_3 -NC)Mn Cp [*] (CO) ₂ }] ₂ (μ_3 -O) (Cp [*] = η^5 -C ₅ H ₅ ; Cp [*] = η^5 -MeC ₅ H ₄). <i>Inorganic Chemistry</i> , 1993, 32, 3373-3377.	4.0	20
15	Multiple oxidative addition of diphenyl-2-thienylphosphine selenide to [Ru ₃ (CO) ₁₂]: crystal and molecular structure of [Ru ₃ (μ_3 -Se)(μ_4 -PPh ₂)(μ_4 -1,1'-2-C ₄ H ₃ S)(CO) ₆ {P(C ₄ H ₃ S)Ph ₂ }]]. <i>Inorganica Chimica Acta</i> , 2000, 300-302, 471-476.	2.4	20
16	Title is missing!. <i>Journal of Cluster Science</i> , 2001, 12, 259-271.	3.3	20
17	Multiple Oxidative Addition of Ph ₂ (C ₅ H ₄ N)PSe to [Ru ₃ (CO) ₁₂] - Structural Characterization of [Ru ₃ (μ_3 -Se)(μ_4 -PPh ₂)(μ_4 -C ₅ H ₄ N)(μ_4 -C ₅ H ₄ N)(CO) ₆] Containing Two Differently Metalated 2-Pyridyl Fragments. <i>European Journal of Inorganic Chemistry</i> , 2001, 2001, 721-723.	2.0	19
18	Zwitterionic Metalates of Group 11 Elements and Their Use as Metalloligands for the Assembly of Multizwitterionic Clusters. <i>Journal of the American Chemical Society</i> , 2006, 128, 866-876.	13.7	18

#	ARTICLE	IF	CITATIONS
19	Reactions of the "ferrole"™ complex [Fe ₂ (CO) ₆ (C ₂ Et ₂) ₂] with group 15 donor ligands and with alkynes. Stepwise formation and disengagement of tropones. Crystal and molecular structure of [Fe ₂ (CO) ₅ {(C ₂ Et) ₂ CO(C ₂ Et) ₂ CHCPh}. <i>Journal of Organometallic Chemistry</i> , 1996, 511, 263-271.	1.8	17
20	Stepwise selenium transfer from tertiary phosphine selenides to [Ru ₃ (CO) ₁₂]. Structural characterization of the primary product [Ru ₃ ($\frac{1}{4}$ -Se)($\frac{1}{4}$ -CO)(CO) ₇ (PPh ₃) ₂]. <i>Dalton Transactions RSC</i> , 2002, , 3160-3163.	2.3	16
21	The first ruthenium-alkyne-dihydride reported is now recognized as an intermediate in the homogeneous hydrogenation of diphenylacetylene: Crystal structure of (?-H)2Ru ₃ (CO) ₉ (η^3 - η^2 -C ₂ Ph ₂). <i>Journal of Cluster Science</i> , 1993, 4, 279-296.	3.3	15
22	Unexpected formation of a "flyover-bridged" complex by reaction of a "ferrole" derivative with Ph ₂ PCH ₂ PPh ₂ (dppm) and Me ₃ NO. Crystal structure of [Fe ₂ (CO) ₅ (P-dppm){C ₂ Et ₂ (CO)C ₂ Et ₂ }. <i>Journal of Organometallic Chemistry</i> , 1991, 412, C14-C18.	1.8	14
23	Metal complexes of P(Ph ₂)CH ₂ (Ph ₂)PSe. Crystal structure of [Ni{P(Ph ₂)CH ₂ (Ph ₂)PSe} ₂]Cl \cdot 2EtOH. <i>Inorganica Chimica Acta</i> , 1998, 273, 320-325.	2.4	13
24	Cluster growth reactions with selenido carbonyl clusters. Synthesis and structural characterization of [M ₂ Ru ₂ ($\frac{1}{4}$ -Se) ₂ ($\frac{1}{4}$ -CO) ₄ (CO) ₆ (PPh ₃) ₂] (M=...=Mo or W). <i>Journal of the Chemical Society Dalton Transactions</i> , 1998, , 321-322.		13
25	Oxidative dimerization of anilines with heterogeneous sulfonic acid catalysts. <i>Green Chemistry</i> , 2018, 20, 382-386.	9.0	13
26	Electron paramagnetic resonance characterisation of silica-dispersed copper molybdate obtained by sol-gel and impregnation methods. <i>Journal of Materials Chemistry</i> , 1999, 9, 507-513.	6.7	12
27	Composition-tunable metal alkyl xerogels as precursors for homogeneously dispersed metals in amorphous silica matrix. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 229-230.	2.0	11
28	Synthesis and spectroscopic properties of N-acetyl-DL-phenyl-glycinato complexes of cobalt(II), nickel(II) and copper(II). Crystal structures of bis(N-acetyl-DL-phenyl-glycinato)diaquobis-(N-methylimidazole)cobalt(II), bis(N-acetyl-DL-phenyl-glycinato)diaquobis (imidazole)cobalt(II) and nickel(II). <i>Polyhedron</i> , 1996, 15, 1783-1791.	2.2	11
29	Cluster Growth Reactions with Selenido-Carbonyl Clusters: Synthesis, Characterisation and Theoretical Study of the Dimetalliccloso Clusters [WRu ₃ ($\frac{1}{4}$ -Se) ₂ ($\frac{1}{4}$ -CO) ₄ (CO) ₆ (L) ₂] (L = Phosphane) and of the Donor-Acceptor Adduct [(CO) ₅ W($\frac{1}{4}$ -Se)Ru ₃ ($\frac{1}{4}$ -Se)(CO) ₇ {P(CH ₂ Ph) ₂ }] ₂ . <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1063-1072.	2.0	11
30	A Study on the Coordinative Versatility of the Zwitterionic S,N,S Ligand EtNHC(S)Ph ₂ P=NPh ₂ C(S)NEt in Its Anionic, Neutral and Cationic Forms: Determination of Absolute pKa Values in CH ₂ Cl ₂ of RhI Complexes. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2302-2312.	2.0	11
31	On the Reaction of Ph ₂ PNHPPH ₂ with RNCS (R=Et, Ph,p-NO ₂ C ₆ H ₄): Preparation of the Zwitterionic Ligand EtNHC(S)Ph ₂ P $\frac{3}{4}$ NPh ₂ C(S)NEt (HSNS) and the Zwitterionic Metalate [(SNS)Rh(CO)]. <i>Chemistry - A European Journal</i> , 2005, 11, 3413-3419.	3.3	10
32	Synthesis and characterization of [N(PPh ₃) ₂] ⁺ cyanometallates. Crystal structure of [N(PPh ₃) ₂] ₃ [Fe(CN) ₆] \cdot 2H ₂ O. <i>Inorganica Chimica Acta</i> , 1993, 204, 181-187.	2.4	9
33	Formation of an anchored copper(II) complex on a thiourea-functionalized silica gel by in situ modification of the tethered ligating function. <i>Inorganica Chimica Acta</i> , 1994, 221, 183-186.	2.4	7
34	Oxidative Addition of Iodomethane to Charge-Tuned Rhodium(I) Complexes. <i>Organometallics</i> , 2009, 28, 2062-2071.	2.3	7
35	Preparation and characterization of niobia and silica-niobia systems. <i>Studies in Surface Science and Catalysis</i> , 1998, 118, 763-772.	1.5	6
36	Coordination properties of the multifunctional S,N,S zwitterionic ligand EtNHC(S)Ph ₂ PNPh ₂ C(S)NEt. <i>Coordination Chemistry Reviews</i> , 2010, 254, 753-764.	18.8	6

#	ARTICLE	IF	CITATIONS
37	Natural abundance ^{17}O NMR spectra of carbonyl metal clusters of the iron triad. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1993, 49, 1395-1400.	0.1	5
38	Copper-promoted intramolecular selenium transfer from a $\text{P}(\text{tBu})_2\text{Se}$ group to a CH_2P methylene carbon producing an unusual methaneselenone ligand. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 2443-2444.	2.0	5
39	Reactivity of the zwitterionic ligand $\text{EtNHC}(\text{S})\text{Ph}_2\text{P}(\text{tBu})\text{C}(\text{S})\text{NEt}$ towards $[\text{Ru}_3(\text{CO})_{12}]$. Sulfur transfer and ligand fragmentation leading to the methideylamide $[\text{N}(\text{Et})\text{-CH}(\text{R})]^{1/3}$ -bridging moiety. <i>Dalton Transactions</i> , 2009, , 544-549.	3.3	5
40	A Simple Heterogeneous Catalyst for Phosphite Addition on Carbonyl Groups. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 463-466.	2.4	5
41	Sulfur ligand-stabilized palladium aggregates produced on the surface of benzylthiourea-functionalized silica xerogels. <i>Journal of Materials Chemistry</i> , 1995, 5, 1375.	6.7	4
42	Preparation of Ti(IV), Zr(IV) and Sn(IV) metal alkyls containing the $(\text{PriO})_3\text{SiCH}_2$ fragment. <i>Journal of Organometallic Chemistry</i> , 2002, 663, 256-262.	1.8	3
43	Synthesis of alkoxysilanes as starting substances for preparation of new materials by the sol-gel procedure. Silanes with urea functional group. <i>Russian Journal of General Chemistry</i> , 2004, 74, 1658-1664.	0.8	3
44	Hybrid Siloxane-Polyaminoamides for the Absorption of Heparin from Blood. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2008, , 277-282.	0.2	2
45	Anchoring selenido-carbonyl ruthenium clusters to functionalised silica xerogels. <i>Journal of the Brazilian Chemical Society</i> , 2003, 14, .	0.6	2
46	Silica-supported bismuth molybdate catalysts obtained by the sol-gel process via silicon alkoxides. <i>Studies in Surface Science and Catalysis</i> , 1998, 118, 699-706.	1.5	1
47	Leaching of anchored Rh and Pd species from thiourea-functionalized monolithic silica xerogel catalysts. <i>Journal of Molecular Catalysis A</i> , 2003, 204-205, 737-745.	4.8	1
48	Reactivity of the methylcyclopentadienylmanganese cyanometalate $\text{Na}[\text{Cp}^*\text{Mn}(\text{CO})_2\text{CN}]$ with titanium, zirconium, and hafnium halides. Crystal and molecular structure of the μ -cyano μ -oxo tetranuclear complex $[\text{Cp}_2\text{Zr}\{\mu\text{-NC}\text{Mn}(\text{CO})_2\}\mu\text{-O}]_2$ ($\text{Cp} = \eta^5\text{-C}_5\text{H}_5$; $\text{Cp}^* = \eta^5\text{-MeC}_5\text{H}_4$). [Erratum to document cited in CA119(9):95744h]. <i>Inorganic Chemistry</i> , 1994, 33, 2068-2068.	4.0	0
49	Nitrogen configuration determined by X-ray analysis on an homogeneous series of 3-indolinones. <i>Journal of Heterocyclic Chemistry</i> , 1996, 33, 81-85.	2.6	0
50	Synthesis and Characterization of an Unusual 68-Electrons Os_4Se_3 Carbonyl Phosphane Cluster. <i>Journal of Cluster Science</i> , 2013, 24, 11-16.	3.3	0