Thomas Scattolin

List of Publications by Year
in descending order

76	1,955	218677	289244
papers	citations	26 h-index	40 g-index

77	77	77	1173
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthetic Routes to Late Transition Metalâ€“NHC Complexes. Trends in Chemistry, 2020, 2, 721-736.	8.5	118
2	Palladium(I) Dimer Enabled Extremely Rapid and Chemoselective Alkylation of Aryl Bromides over Triflates and Chlorides in Air. Angewandte Chemie - International Edition, 2017, 56, 7078-7082.	13.8	99
3	Straightforward access to N-trifluoromethyl amides, carbamates, thiocarbamates and ureas. Nature, 2019, 573, 102-107.	27.8	96
4	Efficient Synthesis of Trifluoromethyl Amines through a Formal Umpolung Strategy from the Benchâ€Stable Precursor (Me₄N)SCF₃. Angewandte Chemie - International Edition, 2017, 56, 221-224.	13.8	85
5	Direct Synthesis of Acyl Fluorides from Carboxylic Acids with the Bench-Stable Solid Reagent (Me₄N)SCF₃. Organic Letters, 2017, 19, 5740-5743.	4.6	83
6	Air-Stable Dinuclear Iodine-Bridged Pd(I) Complex - Catalyst, Precursor, or Parasite? The Additive Decides. Systematic Nucleophile-Activity Study and Application as Precatalyst in Cross-Coupling. Organometallics, 2015, 34, 5191-5195.	2.3	81
7	Siteâ€Selective Câ^'S Bond Formation at Câ^'Br over Câ^'OTf and Câ^'Cl Enabled by an Airâ€Stable, Easily Recoverable, and Recyclable Palladium(I) Catalyst. Angewandte Chemie - International Edition, 2018, 57, 12425-12429.	13.8	73
8	Dinuclear gold(<scp>i</scp>) complexes: from bonding to applications. Chemical Society Reviews, 2020, 49, 7044-7100.	38.1	66
9	Palladium(II)â€Î·³â€Allyl Complexes Bearing Nâ€Trifluoromethyl Nâ€Heterocyclic Carbenes: A New Generation of Anticancer Agents that Restrain the Growth of Highâ€Grade Serous Ovarian Cancer Tumoroids. Chemistry - A European Journal, 2020, 26, 11868-11876.	3.3	62
10	Synthesis of new allyl palladium complexes bearing purine-based NHC ligands with antiproliferative and proapoptotic activities on human ovarian cancer cell lines. Dalton Transactions, 2018, 47, 13616-13630.	3.3	56
11	Palladium(I) Dimer Enabled Extremely Rapid and Chemoselective Alkylation of Aryl Bromides over Triflates and Chlorides in Air. Angewandte Chemie, 2017, 129, 7184-7188.	2.0	56
12	A critical review of palladium organometallic anticancer agents. Cell Reports Physical Science, 2021, 2, 100446.	5.6	55
13	Câ^'Iâ€Selective Crossâ€Coupling Enabled by a Cationic Palladium Trimer. Angewandte Chemie - International Edition, 2019, 58, 211-215.	13.8	44
14	Simple Synthetic Routes to Carbeneâ€Mâ€Amido (M=Cu, Ag, Au) Complexes for Luminescence and Photocatalysis Applications. Chemistry - A European Journal, 2021, 27, 11904-11911.	3.3	42
15	N-Heterocyclic carbene complexes enabling the Î±-arylation of carbonyl compounds. Chemical Communications, 2021, 57, 4354-4375.	4.1	40
16	Nâ€Trifluoromethyl Hydrazines, Indoles and Their Derivatives. Angewandte Chemie - International Edition, 2020, 59, 11908-11912.	13.8	39
17	Palladacyclopentadienyl complexes bearing purineâ€based Nâ€heterocyclic carbenes: A new class of promising antiproliferative agents against human ovarian cancer. Applied Organometallic Chemistry, 2019, 33, e4902.	3.5	35
18	Câ^'Iâ€Selective Crossâ€Coupling Enabled by a Cationic Palladium Trimer. Angewandte Chemie, 2019, 131, 217-221.	2.0	35

#	Article	IF	Citations
19	Facile Access to AgOCF₃ and Its New Applications as a Reservoir for OCF₂ for the Direct Synthesis of Nâ^'CF₃, Aryl or Alkyl Carbamoyl Fluorides. Chemistry - A European Journal, 2020, 26, 2183-2186.	3.3	35
20	Continuous Flow Synthesis of Metalâ€“NHC Complexes**. Chemistry - A European Journal, 2021, 27, 5653-5657.	3.3	34
21	Synthesis of Isothiocyanates and Unsymmetrical Thioureas with the Bench-Stable Solid Reagent (Me₄N)SCF₃. Organic Letters, 2017, 19, 1831-1833.	4.6	33
22	Synthesis of novel allyl palladium complexes bearing purine based NHC and a water soluble phosphine and their catalytic activity in the Suzukiâ€Miyaura coupling in water. Applied Organometallic Chemistry, 2018, 32, e4034.	3.5	33
23	Palladium (0) olefin complexes bearing purine-based N-heterocyclic carbenes and 1,3,5-triaza-7-phosphaadamantane (PTA): Synthesis, characterization and antiproliferative activity toward human ovarian cancer cell lines. Journal of Organometallic Chemistry, 2019, 899, 120857.	1.8	32
24	The anticancer activity of an air-stable Pd(<scp>i</scp>)-NHC (NHC = N-heterocyclic carbene) dimer. Chemical Communications, 2020, 56, 12238-12241.	4.1	31
25	Allyl palladium complexes bearing carbohydrateâ€based Nâ€heterocyclic carbenes: Anticancer agents for selective and potent in vitro cytotoxicity. Applied Organometallic Chemistry, 2020, 34, e5876.	3.5	30
26	Efficient Synthesis of Trifluoromethyl Amines through a Formal Umpolung Strategy from the Benchâ€Stable Precursor (Me₄N)SCF₃. Angewandte Chemie, 2017, 129, 227-230.	2.0	28
27	Synthesis and in-depth studies on the anticancer activity of novel palladacyclopentadienyl complexes stabilized by N-Heterocyclic carbene ligands. European Journal of Medicinal Chemistry, 2019, 179, 325-334.	5.5	28
28	Using sodium acetate for the synthesis of [Au(NHC)X] complexes. Dalton Transactions, 2020, 49, 9694-9700.	3.3	28
29	Siteâ€Selective Câ^'S Bond Formation at Câ^'Br over Câ^'OTf and Câ^'Cl Enabled by an Airâ€Stable, Easily Recoverable, and Recyclable Palladium(I) Catalyst. Angewandte Chemie, 2018, 130, 12605-12609.	2.0	26
30	Synthesis and characterization of palladacyclopentadiene complexes with N-heterocyclic carbene ligands. Journal of Organometallic Chemistry, 2015, 794, 288-300.	1.8	21
31	The addition of bromine and iodine to palladacyclopentadienyl complexes bearing bidentate heteroditopic Pâ^'N spectator ligands derived from differently substituted quinolinic frames. The unexpected evolution of the reaction. Dalton Transactions, 2015, 44, 15049-15058.	3.3	20
32	Synthesis, characterization and a reactivity study of some allyl palladium complexes bearing bidentate hemi-labile carbene or mixed carbene/PPh3 ligands. Polyhedron, 2016, 119, 377-386.	2.2	20
33	Selenolation of Aryl Iodides and Bromides Enabled by aâ€‰Benchâ€Stable Pd^I Dimer. Chemistry - A European Journal, 2019, 25, 9419-9422.	3.3	19
34	Investigation of (Me₄N)SCF₃ as a Stable, Solid and Safe Reservoir for S=CF₂ as a Surrogate for Thiophosgene. Chemistry - A European Journal, 2018, 24, 567-571.	3.3	18
35	Synthesis and comparative study of the anticancer activity of Î·3-allyl palladium(II) complexes bearing N-heterocyclic carbenes as ancillary ligands. Polyhedron, 2020, 186, 114607.	2.2	18
36	Mononuclear and dinuclear gold(i) complexes with a caffeine-based di(N-heterocyclic carbene) ligand: synthesis, reactivity and structural DFT analysis. New Journal of Chemistry, 2021, 45, 961-971.	2.8	15

#	Article	IF	Citations
37	Oxidative addition of allyl and propargyl halides on palladium(0) complexes bearing bidentate ligands with quinolinic structure. Journal of Organometallic Chemistry, 2015, 786, 21-30.	1.8	14
38	Addition of halogens and interhalogens on palladacyclopentadienyl complexes stabilized by pyridylâ"thioether Nâ"S spectator ligands. Journal of Organometallic Chemistry, 2016, 808, 48-56.	1.8	14
39	Straightforward synthetic route to gold(<scp>i</scp>)-thiolato glycoconjugate complexes bearing NHC ligands (NHC = N-heterocyclic carbene) and their promising anticancer activity. New Journal of Chemistry, 2021, 45, 9995-10001.	2.8	13
40	Indenyl and Allyl Palladate Complexes BearingNâ€Heterocyclic Carbene Ligands: an Easily Accessible Class of New Anticancer Drug Candidates. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	13
41	Oxidative addition of organic halides on palladium(0) complexes stabilized by dimethylfumarate and quinoline-based Nâ€"P or Nâ€"S spectator ligands. Polyhedron, 2015, 102, 94-102.	2.2	12
42	Synthesis and characterization of novel olefin complexes of palladium(0) with chelating bis(N-heterocyclic carbenes) as spectator ligands. Polyhedron, 2018, 154, 382-389.	2.2	12
43	Synthesis and catalytic activity of palladium complexes bearing N-heterocyclic carbenes (NHCs) and 1,4,7-triaza-9-phosphatricyclo[5.3.2.1]tridecane (CAP) ligands. Dalton Transactions, 2021, 50, 9491-9499.	3.3	12
44	The unexpected case of reactions of halogens and interhalogens with halide substituted Pd(<scp>ii</scp>) Ïƒ-butadienyl complexes. Dalton Transactions, 2016, 45, 11560-11567.	3.3	11
45	The addition of halogens and interhalogens on palladacyclopentadienyl complexes bearing quinolyl-thioether as spectator ligands. A kinetic and computational study. Polyhedron, 2016, 113, 25-34.	2.2	11
46	Continuous Flow Synthesis of [Au(NHC)(Aryl)] (NHC=Nâ€Heterocyclic Carbene) Complexes. Chemistry - A European Journal, 2021, 27, 13342-13345.	3.3	11
47	Reactivity of N-heterocyclic carbeneâ€"pyridine palladacyclopentadiene complexes toward halogen addition. The unpredictable course of the reaction. Dalton Transactions, 2017, 46, 10399-10407.	3.3	10
48	Synthesis, in silico and inâ€…vitro Evaluation of Novel Oxazolopyrimidines as Promising Anticancer Agents. Helvetica Chimica Acta, 2020, 103, e2000169.	1.6	10
49	Synthesis, characterization and anticancer activity of palladium allyl complexes bearing benzimidazole-based N-heterocyclic carbene (NHC) ligands. Polyhedron, 2021, 207, 115381.	2.2	10
50	A simple synthetic entryway into (Nâ€heterocyclic carbene)goldâ€steroidyl complexes and their anticancer activity. Applied Organometallic Chemistry, 0, , .	3.5	10
51	A Green Synthesis of Carbeneâ€Metalâ€Amides (CMAs) and Carbolineâ€Derived CMAs with Potent inâ€…vitro and ex vivo Anticancer Activity. ChemMedChem, 2022, , .	3.2	10
52	Synthesis of novel olefin complexes of palladium(0) bearing monodentate NHC, phosphine and isocyanide spectator ligands. Polyhedron, 2018, 144, 131-143.	2.2	9
53	N â€Trifluoromethyl Hydrazines, Indoles and Their Derivatives. Angewandte Chemie, 2020, 132, 12006-12010.	2.0	9
54	A Simple Synthetic Route to Wellâ€Defined [Pd(NHC)Cl(1â€^tBuâ€indenyl)] Preâ€catalysts for Crossâ€Coupling Reactions. European Journal of Inorganic Chemistry, 2022, 2022, .	2.0	9

#	Article	IF	Citations
55	Reactions of palladium(0) olefin complexes stabilized by some different hetero- and homo-ditopic spectator ligands with propargyl halides. Journal of Organometallic Chemistry, 2017, 834, 10-21.	1.8	8
56	The importance of the electronic and steric features of the ancillary ligands on the rate of cisâ€“trans isomerization of olefins coordinated to palladium(0) centre. A study involving (Z)-1,2-ditosylethene as olefin model. Polyhedron, 2019, 173, 114144.	2.2	8
57	Chemoselective oxidative addition of vinyl sulfones mediated by palladium complexes bearing picolyl-N-heterocyclic carbene ligands.. Dalton Transactions, 2020, 49, 5684-5694.	3.3	8
58	A simple synthetic entryway into new families of NHCâ€“gold-amido complexes and their in vitro antitumor activity. Dalton Transactions, 2022, 51, 3462-3471.	3.3	8
59	Versatile and Highly Efficient transâ€[Pd(NHC)Cl₂(DMS/THT)] Precatalysts for Câ€“N and Câ€“C Coupling Reactions in Green Solvents. European Journal of Organic Chemistry, 2022, 2022, .	2.4	8
60	Isocyanide insertion across the Pdâ€“C bond of allenyl and propargyl palladium complexes bearing phosphoquinoline as a spectator ligand. Synthesis of a palladium complex bearing a coordinated cyclobutenyl fragment. Dalton Transactions, 2017, 46, 5210-5217.	3.3	7
61	Improved Synthesis, Anticancer Activity and Electrochemical Characterization of Unusual Zwitterionic Palladium Compounds with a Tenâ€Term Coordinative Ring.. ChemistrySelect, 2019, 4, 10911-10919.	1.5	7
62	Continuous Flow Synthesis of NHCâ€Coinage Metal Amido and Thiolato Complexes: A Mechanismâ€based Process Development. Chemistry Methods, 2022, 2, .	3.8	7
63	Flow chemistry of main group and transition metal complexes. Trends in Chemistry, 2022, 4, 584-607.	8.5	7
64	Synthesis of Carbeneâ€Metalâ€Amido (CMA) Complexes and Their Use as Precatalysts for the Activatorâ€Free, Goldâ€Catalyzed Addition of Carboxylic Acids to Alkynes. Chemistry - A European Journal, 2022, 28, .	3.3	7
65	Synthesis and reactivity toward olefin exchange and oxidative addition of some platinum(0) olefin complexes with thioquinolines as spectator ligands. Polyhedron, 2017, 129, 229-239.	2.2	6
66	Imidazo[1,5-a]pyridine-3-ylidenes and dipyridoimidazolinylidenes as ancillary ligands in Palladium allyl complexes with potent in vitro anticancer activity. Journal of Organometallic Chemistry, 2021, 952, 122014.	1.8	6
67	Conversion of Pd(<scp>i</scp>) off-cycle species into highly efficient cross-coupling catalysts. Dalton Transactions, 2021, 50, 5420-5427.	3.3	6
68	Continuous Flow Synthesis of Sulfurâ€and Seleniumâ€NHC Compounds (NHC=Nâ€Heterocyclic) Tj ETQq0 0 0 rgBT /Overlock 10	2.4	6
69	Straightforward synthesis of [Cu(NHC)(alkynyl)] and [Cu(NHC)(thiolato)] complexes (NHC =) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.3	4
70	[1,3]-Sigmatropic Shift of an Allylic Chloride. Helvetica Chimica Acta, 2018, 101, e1800148.	1.6	3
71	Synthesis and anticancer activity of Pt(0)â€olefin complexes bearing 1,3,5â€triazaâ€7â€phosphaadamantane and Nâ€heterocyclic carbene ligands. Applied Organometallic Chemistry, 2021, 35, e6438.	3.5	3
72	Synthesis, characterization, and anticancer activity of ferrocenyl complexes bearing different organopalladium fragments. Applied Organometallic Chemistry, 2022, 36, .	3.5	3

#	Article	IF	Citations
73	A Nucleophilic Deprotection of Carbamate Mediated by 2-Mercaptoethanol. Organic Letters, 2022, 24, 3736-3740.	4.6	3
74	Cationic palladium(<scp>ii</scp>)-indenyl complexes bearing phosphines as ancillary ligands: synthesis, and study of indenyl amination and anticancer activity. Dalton Transactions, 2022, 51, 11135-11151.	3.3	3
75	Reaction Parameterization as a Tool for Development in Organometallic Catalysis. , 2021, , .		2
76	Measuring the Olefinâ€toâ€Pd(0) Bond Strength: A Kinetic Study Involving Olefin Exchange Reactions on Palladium(0) Complexes Bearing Isocyanide Ligands. Helvetica Chimica Acta, 2020, 103, e2000150.	1.6	1