

Raul SanMartin

List of Publications by Year in descending order

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106
papers

4,235
citations

71102

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docs citations

144
times ranked

3824
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium and copper-catalysed arylation reactions in the presence of water, with a focus on carbon-heteroatom bond formation. <i>Chemical Society Reviews</i> , 2008, 37, 639.	38.1	211
2	Simple and Efficient Recyclable Catalytic System for Performing Copper-Catalysed S-Arylation Reactions in the Presence of Water. <i>Chemistry - A European Journal</i> , 2007, 13, 5100-5105.	3.3	179
3	On-Water Chemistry: Copper-Catalyzed Straightforward Synthesis of Benzo[b]furan Derivatives in Neat Water. <i>Organic Letters</i> , 2006, 8, 1467-1470.	4.6	137
4	Insights into the Role of New Palladium Pincer Complexes as Robust and Recyclable Precatalysts for Suzuki-Miyaura Couplings in Neat Water. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 2124-2132.	4.3	124
5	A Metal-Free Approach to the Synthesis of Indoline Derivatives by a Phenylodine(III) Bis(trifluoroacetate)-Mediated Amidohydroxylation Reaction. <i>Journal of Organic Chemistry</i> , 2006, 71, 8316-8319.	3.2	120
6	A Nonsymmetric Pincer-Type Palladium Catalyst In Suzuki, Sonogashira, and Hiyama Couplings in Neat Water. <i>Organometallics</i> , 2008, 27, 2833-2839.	2.3	117
7	Hydrophilic CNC-Pincer Palladium Complexes: A Source for Highly Efficient, Recyclable Homogeneous Catalysts in Suzuki-Miyaura Cross-Coupling. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1836-1840.	4.3	112
8	Novel Alternative for the N-N Bond Formation through a PIFA-Mediated Oxidative Cyclization and Its Application to the Synthesis of Indazol-3-ones. <i>Journal of Organic Chemistry</i> , 2006, 71, 3501-3505.	3.2	101
9	Intramolecular PIFA-Mediated Alkyne Amidation and Carboxylation Reaction. <i>Journal of Organic Chemistry</i> , 2007, 72, 1526-1529.	3.2	97
10	Aerobic Cleavage of Alkenes and Alkynes into Carbonyl and Carboxyl Compounds. <i>ACS Catalysis</i> , 2017, 7, 3050-3060.	11.2	93
11	Novel Alternative for the N-S Bond Formation and Its Application to the Synthesis of Benzisothiazol-3-ones. <i>Organic Letters</i> , 2006, 8, 4811-4813.	4.6	90
12	Copper-catalysed intramolecular O-arylation of aryl chlorides and bromides: a straightforward approach to benzo[d]oxazoles in water. <i>Tetrahedron</i> , 2007, 63, 10425-10432.	1.9	90
13	Recent Advances in the Use of Unsymmetrical Palladium Pincer Complexes. <i>Current Organic Chemistry</i> , 2009, 13, 878-895.	1.6	90
14	A Convenient One-Pot Preparative Method for 4,5-Diarylisoaxazoles Involving Amine Exchange Reactions. <i>Journal of Organic Chemistry</i> , 1996, 61, 5435-5439.	3.2	84
15	A Nonsymmetric Pincer-Catalyzed Suzuki-Miyaura Arylation of Benzyl Halides and Other Nonactivated Unusual Coupling Partners. <i>Journal of Organic Chemistry</i> , 2008, 73, 8448-8451.	3.2	83
16	An Efficient, PIFA Mediated Approach to Benzo-, Naphtho-, and Heterocycle-Fused Pyrrolo[2,1-c][1,4]diazepines. An Advantageous Access to the Antitumor Antibiotic DC-81. <i>Journal of Organic Chemistry</i> , 2005, 70, 2256-2264.	3.2	81
17	Expedient Approach to 5-Aroyl-pyrrolidinones by a Novel PIFA-Mediated Alkyne Amidation Reaction. <i>Organic Letters</i> , 2005, 7, 3073-3076.	4.6	81
18	Palladium NCN and CNC pincer complexes as exceptionally active catalysts for aerobic oxidation in sustainable media. <i>Green Chemistry</i> , 2011, 13, 2161.	9.0	80

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19	Novel applications of hypervalent iodine: PIFA mediated synthesis of benzo[c]phenanthridines and benzo[c]phenanthridinones. <i>Tetrahedron</i> , 2001, 57, 5403-5411.	1.9	68
20	An Advantageous Route to Oxcarbazepine (Trileptal) Based on Palladium-Catalyzed Arylations Free of Transmetallating Agents. <i>Organic Letters</i> , 2005, 7, 4787-4789.	4.6	62
21	Benzofurans from Benzophenones and Dimethylacetamide: Copper-Promoted Cascade Formation of Furan O1i&C2 and C2i&C3 Bonds Under Oxidative Conditions. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 3220-3224.	13.8	62
22	Revisiting the Ullmann Ether Reaction: A Concise and Amenable Synthesis of Novel Dibenzoxepino[4,5-d]pyrazoles by Intramolecular Etheration of 4,5-(o,ô€~Halohydroxy)arylpyrazoles. <i>Journal of Organic Chemistry</i> , 2002, 67, 7215-7225.	3.2	61
23	PCP-Bis(phosphinite) pincer complexes: new homogeneous catalysts for Î±-arylation of ketones. <i>Tetrahedron Letters</i> , 2006, 47, 3233-3237.	1.4	59
24	Copper(I)-catalyzed S-arylation of thiols with activated aryl chlorides on water. <i>Tetrahedron</i> , 2009, 65, 1500-1503.	1.9	58
25	Synthesis, Structure, and Catalytic Applications for <i>ortho</i>- and <i>meta</i>-Carboranyl Based NBN Pincer-Pd Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 9284-9295.	4.0	57
26	Palladium-Catalyzed Arylation of Ketone Enolates: An Expeditious Entry to Tamoxifen-Related 1,2,2-Triarylethanones. <i>Organic Letters</i> , 2002, 4, 1591-1594.	4.6	55
27	Toward Safer Processes for Câ~C Biaryl Bond Construction: Catalytic Direct Câ~H Arylation and Tin-Free Radical Coupling in the Synthesis of Pyrazolophenanthridines. <i>Journal of Organic Chemistry</i> , 2010, 75, 434-441.	3.2	51
28	A Combination of Tandem Amine-Exchange/Heterocyclization and Biaryl Coupling Reactions for the Straightforward Preparation of Phenanthro[9,10-d]pyrazoles. <i>Journal of Organic Chemistry</i> , 2000, 65, 7010-7019.	3.2	50
29	A New, Expeditious Entry to the Benzophenanthrofurane Framework by a Pd-Catalyzed C- and O-Arylation/PIFA-Mediated Oxidative Coupling Sequence. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 2481-2490.	2.4	50
30	An advantageous synthesis of new indazolone and pyrazolone derivatives. <i>Tetrahedron</i> , 2006, 62, 11100-11105.	1.9	50
31	An outstanding catalyst for the oxygen-mediated oxidation of arylcarbinols, arylmethylene and arylacetylene compounds. <i>Chemical Communications</i> , 2015, 51, 4799-4802.	4.1	50
32	Towards a facile synthesis of triarylethanones: palladium-catalyzed arylation of ketone enolates under homogeneous and heterogeneous conditions. <i>Tetrahedron</i> , 2004, 60, 2393-2408.	1.9	49
33	Cesium Carbonate-Promoted Hydroamidation of Alkynes: Enamides, Indoles and the Effect of Iron(III) Chloride. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 3054-3064.	4.3	49
34	A general and efficient PIFA mediated synthesis of heterocycle-fused quinolinone derivatives. <i>Tetrahedron</i> , 2002, 58, 8581-8589.	1.9	48
35	Toward Safer Methodologies for the Synthesis of Polyheterocyclic Systems: Intramolecular Arylation of Arenes under Mizoroki Heck Reaction Conditions. <i>Organic Letters</i> , 2003, 5, 1095-1098.	4.6	48
36	Iodine(III)-mediated aromatic amidation vs olefin amidohydroxylation. The amide N-substituent makes the difference. <i>Tetrahedron</i> , 2004, 60, 6533-6539.	1.9	46

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37	Radical-Mediated Synthesis of $\hat{\pm}$ -C-Glycosides Based on N-Acyl Galactosamine. <i>Organic Letters</i> , 2000, 2, 4051-4054.	4.6	45
38	A Convenient Strategy for the Synthesis of 4,5-Bis(o-haloaryl)isoxazoles. <i>Journal of Organic Chemistry</i> , 2000, 65, 6398-6411.	3.2	44
39	Aerobic oxidation at benzylic positions catalyzed by a simple Pd(OAc) ₂ /bis-triazole system. <i>RSC Advances</i> , 2015, 5, 103210-103217.	3.6	44
40	A new and practical PIFA-promoted olefin amidohydroxylation: six- versus five-membered ring formation. <i>Tetrahedron Letters</i> , 2003, 44, 3483-3486.	1.4	43
41	An efficient copper-catalytic system for performing intramolecular O-arylation reactions in aqueous media. New synthesis of xanthenes. <i>Green Chemistry</i> , 2009, 11, 830.	9.0	42
42	A Simple Route to New Phenanthro- and Phenanthroid-Fused Thiazoles by a PIFA-Mediated (Hetero)biaryl Coupling Reaction. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2126.	2.4	41
43	Copper-catalyzed intramolecular N-arylation of ureas in water: a novel entry to benzoimidazolones. <i>Tetrahedron</i> , 2008, 64, 7283-7288.	1.9	41
44	Direct, Two-Step Synthetic Pathway to Novel Dibenzo[a,c]phenanthridines. <i>Journal of Organic Chemistry</i> , 2005, 70, 3178-3187.	3.2	40
45	Divergent synthesis of isoindolo[2,1-a]indole and indolo[1,2-a]indole through copper-catalysed C- and N-arylations. <i>Tetrahedron Letters</i> , 2009, 50, 2129-2131.	1.4	40
46	Ligand-free copper(i)-catalysed intramolecular direct C-H functionalization of azoles. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 841-845.	2.8	40
47	Copper Pincer Complexes as Advantageous Catalysts for the Heteroannulation of <i>ortho</i> -Halophenols and Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 2070-2080.	4.3	38
48	A convenient alternative route to $\hat{2}$ -aminoketones. <i>Tetrahedron</i> , 1994, 50, 2255-2264.	1.9	37
49	The amine exchange/biaryl coupling sequence: a direct entry to the phenanthro[9,10-d]heterocyclic framework. <i>Tetrahedron</i> , 2002, 58, 3021-3037.	1.9	34
50	New Perspectives for Iodine (III) Reagents in (Hetero)Biaryl Coupling Reactions. <i>Current Organic Chemistry</i> , 2002, 6, 1433-1452.	1.6	34
51	On the Phenyliodine(III)-Bis(trifluoroacetate)-Mediated Olefin Amidohydroxylation Reaction. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 437-444.	2.4	33
52	Phenyliodine(III)bis(trifluoroacetate) mediated synthesis of phenanthro[9, 10-d] fused isoxazoles and pyrimidines. <i>Tetrahedron Letters</i> , 1999, 40, 3479-3480.	1.4	32
53	An alternative approach towards novel heterocycle-fused 1,4-diazepin-2-ones by an aromatic amidation protocol. <i>Tetrahedron</i> , 2003, 59, 7103-7110.	1.9	32
54	Sequential palladium-catalysed C- and N-arylation reactions as a practical and general protocol for the synthesis of the first series of oxcabazepine analogues. <i>Tetrahedron</i> , 2007, 63, 690-702.	1.9	32

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55	Regioselective diarylation of ketone enolates by homogeneous and heterogeneous catalysis: synthesis of triarylethanones. <i>Tetrahedron Letters</i> , 2003, 44, 5925-5929.	1.4	31
56	A New Entrance to the Preparation of Phenanthrene and Phenanthrenoid Heterocycles. <i>Synlett</i> , 2001, 2001, 1161-1163.	1.8	29
57	Recyclable copper-catalyst in aqueous media: O- and N-arylation reactions towards the benzofuroindole framework. <i>Green Chemistry</i> , 2007, 9, 219-220.	9.0	29
58	A convenient approach to the xanthone scaffold by an aqueous aromatic substitution of bromo- and iodoarenes. <i>Tetrahedron</i> , 2009, 65, 5729-5732.	1.9	29
59	Taylor-made palladium pincer complexes: A new source of more efficient catalysts for sustainable organic synthesis. <i>Inorganica Chimica Acta</i> , 2010, 363, 1903-1911.	2.4	29
60	An Aerobic Alternative to Oxidative Ozonolysis of Styrenes. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 1150-1156.	4.3	29
61	DIBENZO[1,4]OXEPINES: SYNTHESSES AND APPLICATIONS. A REVIEW. <i>Organic Preparations and Procedures International</i> , 2004, 36, 297-330.	1.3	28
62	An straightforward entry to new pyrazolo-fused dibenzo[1,4]diazepines. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2251.	2.8	28
63	A highly advantageous metal-free approach to diaryl disulfides in water. <i>Green Chemistry</i> , 2007, 9, 315-317.	9.0	26
64	A Further Decrease in the Catalyst Loading for the Palladium-Catalyzed Direct Intramolecular Arylation of Amides and Sulfonamides. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1525-1531.	4.3	24
65	A novel and efficient iodine(III)-mediated access to 1,4-benzodiazepin-2-ones. <i>Tetrahedron Letters</i> , 2002, 43, 8273-8275.	1.4	23
66	Recent Advances in Homogeneous Metal-Catalyzed Aerobic C-H Oxidation of Benzylic Compounds. <i>Catalysts</i> , 2018, 8, 640.	3.5	23
67	Palladium NNC Pincer Complex as an Efficient Catalyst for the Cycloisomerization of Alkynoic Acids. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3283-3292.	4.3	21
68	A novel approach to phenanthro[9,10-d]pyrimidines via an intramolecular Stille-type biaryl coupling reaction. <i>Tetrahedron Letters</i> , 1998, 39, 7155-7158.	1.4	19
69	Direct access to pyrazolo(benzo)thienoquinolines. Highly effective palladium catalysts for the intramolecular C-H heteroarylation of arenes. <i>Chemical Communications</i> , 2013, 49, 1413.	4.1	19
70	An efficient synthesis of phenanthro-fused thiazoles by a non-phenolic oxidative coupling procedure of 4,5-diarylthiazoles. <i>Tetrahedron Letters</i> , 1999, 40, 5067-5070.	1.4	18
71	A novel palladium intramolecular diaryl ether formation. <i>Tetrahedron Letters</i> , 2000, 41, 4357-4360.	1.4	18
72	Mizoroki-Heck and Sonogashira Cross-Couplings Catalyzed by CNC Palladium Pincer Complexes in Organic and Aqueous Media. <i>Helvetica Chimica Acta</i> , 2012, 95, 955-962.	1.6	17

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73	Novel applications of the hypervalent iodine chemistry. Synthesis of thiazolo-fused quinolinones. <i>Arkivoc</i> , 2005, 2002, 31-37.	0.5	16
74	A new general method for the synthesis of 4-hydroxylated 3-aryltetrahydroisoquinolines. <i>Tetrahedron</i> , 1995, 51, 5361-5368.	1.9	15
75	Dibenzoxepino[4,5-d]pyrazoles: a facile approach via the Ullmann-ether reaction. <i>Tetrahedron Letters</i> , 2000, 41, 4353-4356.	1.4	13
76	A Short and Efficient Synthesis of 4,5-Diarylpyrimidines. <i>Synlett</i> , 1995, 1995, 955-956.	1.8	12
77	Aqueous I^{\pm} -Arylation of Mono- and Diarylethanone Enolates at Low Catalyst Loading. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 1711-1718.	4.3	10
78	Aerobic oxidation of secondary benzyl alcohols catalyzed by phosphinite-based palladium pincer complexes. <i>Environmental Chemistry Letters</i> , 2018, 16, 1101-1108.	16.2	9
79	Direct Arylation in the Presence of Palladium Pincer Complexes. <i>Molecules</i> , 2021, 26, 4385.	3.8	9
80	Novel Entry into Benzo[c]phenanthridine Systems through a Tandem Alkene Acylation-Cyclodehydration. <i>Heterocycles</i> , 1997, 45, 757.	0.7	6
81	Vanadium-Catalyzed Oxidative Debenzylation of <i>o</i> -Benzyl Ethers at ppm Level. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 3307-3312.	4.3	6
82	Efficient copper-free aerobic alkyne homocoupling in polyethylene glycol. <i>Environmental Chemistry Letters</i> , 2017, 15, 157-164.	16.2	6
83	Applications and Synthesis of the Antiepileptic Drug Oxcarbazepine and Related Structures. <i>Current Organic Chemistry</i> , 2007, 11, 1385-1399.	1.6	5
84	Crystal Structure of 4-Phenyl-5-(2,3,4-trimethoxyphenyl)-isoxazole. <i>Crystal Research and Technology</i> , 1997, 32, 1015-1020.	1.3	4
85	4-Alkylcarbonylmethylideneisoquinolines. A Synthetic and Mechanistic Study. <i>Heterocycles</i> , 1999, 51, 2311.	0.7	3
86	N-Heterocyclic NCN-Pincer Palladium Complexes: A Source for General, Highly Efficient Catalysts in Heck, Suzuki, and Sonogashira Coupling Reactions. <i>Synlett</i> , 2005, 2005, 3116-3120.	1.8	3
87	Metal-Catalyzed, Photo-Assisted Selective Transformation of Tertiary Alkylbenzenes and Polystyrenes into Carbonyl Compounds. <i>ChemSusChem</i> , 2022, 15, .	6.8	3
88	Iron-catalyzed cascade synthesis of nitrogen polycycles from alkynoic acids and functionalized amines. <i>Environmental Chemistry Letters</i> , 2022, 20, 3421-3427.	16.2	3
89	3-Aryl-4-Isoquinolinone Derivatives An Efficient Oxidative Preparation. <i>Synthetic Communications</i> , 1997, 27, 1643-1652.	2.1	2
90	New Copper, Palladium and Nickel Catalytic Systems: An Evolution towards More Efficient Procedures. <i>Chemical Record</i> , 2016, 16, 1082-1095.	5.8	2

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91	Palladium-Catalyzed Domino Cycloisomerization/Double Condensation of Acetylenic Acids with Dinucleophiles. <i>Catalysts</i> , 2022, 12, 127.	3.5	2
92	Expeditious Approach to 5-Aroyl-pyrrolidinones by a Novel PIFA-Mediated Alkyne Amidation Reaction.. <i>ChemInform</i> , 2005, 36, no.	0.0	1
93	On-water•Hiyama coupling catalyzed by CNC pincer complexes of Pd(II). <i>Arkivoc</i> , 2011, 2011, 191-199.	0.5	1
94	Revisiting the Ullmann Ether Reaction: A Concise and Amenable Synthesis of Novel Dibenzoxepino[4,5-d]pyrazoles by Intramolecular Etheration of 4,5-(o,ô€²-Halohydroxy)arylpyrazoles.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
95	Toward Safer Methodologies for the Synthesis of Polyheterocyclic Systems: Intramolecular Arylation of Arenes under Mizoroki•Heck Reaction Conditions.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
96	Regioselective Diarylation of Ketone Enolates by Homogeneous and Heterogeneous Catalysis: Synthesis of Triarylethanones.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
97	An Alternative Approach Towards Novel Heterocycle-Fused 1,4-Diazepin-2-ones by an Aromatic Amidation Protocol.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
98	Towards a Facile Synthesis of Triarylethanones: Palladium-Catalyzed Arylation of Ketone Enolates under Homogeneous and Heterogeneous Conditions.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
99	An Efficient, PIFA-Mediated Approach to Benzo-, Naphtho-, and Heterocycle-Fused Pyrrolo[2,1-c][1,4]diazepines. An Advantageous Access to the Antitumor Antibiotic DC-81 (IV).. <i>ChemInform</i> , 2005, 36, no.	0.0	0
100	Direct, Two-Step Synthetic Pathway to Novel Dibenzo[a,c]phenanthridines.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
101	A New, Expeditious Entry to the Benzophenanthrofurane Framework by a Pd-Catalyzed C- and O-Arylation/PIFA-Mediated Oxidative Coupling Sequence.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
102	The Intramolecular Stille-Type and the Oxidative Biaryl Coupling Strategies in the Synthesis of New Phenanthro-Fused Heterocyclic Compounds. <i>ChemInform</i> , 2006, 37, no.	0.0	0
103	Amine Exchange/Biaryl Coupling Sequence: A Direct Entry to the Phenanthro[9,10-d]heterocyclic Framework.. <i>ChemInform</i> , 2010, 33, 144-144.	0.0	0
104	Palladium•Catalyzed Arylation of Ketone Enolates: An Expeditious Entry to Tamoxifen•Related 1,2,2•Triarylethanones.. <i>ChemInform</i> , 2002, 33, 85-85.	0.0	0
105	Drug Discovery in Epilepsy: A Synthetic Review. , 0, , .		0
106	Optimization of process conditions for nickel-catalyzed selective aerobic O-debenzylation. <i>Applied Catalysis A: General</i> , 2019, 579, 86-90.	4.3	0