

Isidro M Pastor

List of Publications by Year in descending order

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68
papers

2,633
citations

279487

23
h-index

189595

50
g-index

92
all docs

92
docs citations

92
times ranked

3092
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Eutectic Solvents: The Organic Reaction Medium of the Century. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 612-632.	1.2	519
2	The Prins Reaction: Advances and Applications. <i>Current Organic Chemistry</i> , 2007, 11, 925-957.	0.9	198
3	Transition-Metal-Catalyzed Synthesis of Hydroxylated Arenes. <i>Chemistry - A European Journal</i> , 2010, 16, 5274-5284.	1.7	176
4	Asymmetric Ring Opening of Epoxides. <i>Current Organic Chemistry</i> , 2005, 9, 1-29.	0.9	154
5	Osmium Catalyst for the Borrowing Hydrogen Methodology: α -Alkylation of Arylacetonitriles and Methyl Ketones. <i>ACS Catalysis</i> , 2013, 3, 2072-2075.	5.5	142
6	Focused Update on the Prins Reaction and the Prins Cyclization. <i>Current Organic Chemistry</i> , 2012, 16, 1277-1312.	0.9	133
7	Recent Advances in Asymmetric Organocatalyzed Conjugate Additions to Nitroalkenes. <i>Molecules</i> , 2017, 22, 895.	1.7	117
8	Highly Enantioselective Ruthenium-Catalyzed Reduction of Ketones Employing Readily Available Peptide Ligands. <i>Chemistry - A European Journal</i> , 2004, 10, 294-302.	1.7	84
9	Employing the Structural Diversity of Nature: Development of Modular Dipeptide-Analogue Ligands for Ruthenium-Catalyzed Enantioselective Transfer Hydrogenation of Ketones. <i>Chemistry - A European Journal</i> , 2003, 9, 4031-4045.	1.7	80
10	Novel simple and highly modular ligands for efficient asymmetric transfer-hydrogenation of ketones. <i>Chemical Communications</i> , 2002, , 2046-2047.	2.2	64
11	Osmium NHC Complexes from Alcohol-Functionalized Imidazoles and Imidazolium Salts. <i>Organometallics</i> , 2011, 30, 1658-1667.	1.1	60
12	Solvent-free direct regioselective ring opening of epoxides with imidazoles. <i>Tetrahedron</i> , 2007, 63, 469-473.	1.0	53
13	An Acyl-NHC Osmium Cooperative System: Coordination of Small Molecules and Heterolytic $B\alpha\text{-H}$ and $O\alpha\text{-H}$ Bond Activation. <i>Organometallics</i> , 2015, 34, 3902-3908.	1.1	50
14	Solid-Supported Palladium Catalysts in Sonogashira Reactions: Recent Developments. <i>Catalysts</i> , 2018, 8, 202.	1.6	50
15	Palladium nanoparticles supported on graphene and reduced graphene oxide as efficient recyclable catalyst for the Suzuki-Miyaura reaction of potassium aryltrifluoroborates. <i>Journal of Molecular Catalysis A</i> , 2015, 404-405, 1-7.	4.8	45
16	Novel highly modular C2-symmetric oxazoline ligands' application in titanium-catalyzed diethylzinc additions to aldehydes. <i>Tetrahedron Letters</i> , 2002, 43, 1743-1746.	0.7	40
17	2-(Aminomethyl)-oxazolines: A Highly Modular Scaffolds for the Preparation of Novel Asymmetric Ligands. <i>Journal of Organic Chemistry</i> , 2005, 70, 2921-2929.	1.7	37
18	(NHC)Palladium Complexes from Hydroxy-Functionalized Imidazolium Salts as Catalyst for the Microwave-Accelerated Fluorine-Free Hiyama Reaction. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 7174-7181.	1.2	35

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19	Isoprene-catalyzed lithiation of imidazole: synthesis of 2-(hydroxyalkyl)- and 2-(aminoalkyl)imidazoles. <i>Tetrahedron</i> , 2005, 61, 11148-11155.	1.0	31
20	Preparation, Hydrogen Bonds, and Catalytic Activity in Metal-Promoted Addition of Arylboronic Acids to Enones of a Rhodium Complex Containing an NHC Ligand with an Alcohol Function. <i>Organometallics</i> , 2012, 31, 6154-6161.	1.1	31
21	Heck–Matsuda Reactions Catalyzed by a Hydroxyalkyl–Functionalized NHC and Palladium Acetate. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 3151-3156.	1.2	30
22	Recent Advances in the Catalytic Enantioselective Reformatsky Reaction. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7028-7034.	1.2	28
23	Metal–Organic Framework Based on Copper and Carboxylate–Imidazole as Robust and Effective Catalyst in the Oxidative Amidation of Carboxylic Acids and Formamides. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 5180-5188.	1.2	28
24	Iron–Based Imidazolium Salts as Versatile Catalysts for the Synthesis of Quinolines and 4–Allylanilines by Allylic Substitution of Alcohols. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 2929-2939.	2.1	24
25	Organocatalyzed Assembly of Chlorinated Quaternary Stereogenic Centers. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 1428-1437.	1.3	24
26	Copper(I) or (II)-mediated conjugate addition or dimerisation of functionalised organolithium compounds. <i>Tetrahedron Letters</i> , 2000, 41, 1589-1592.	0.7	23
27	Heterocyclic Carbene–Metal-catalyzed Csp ² –Csp ² and Csp–Csp ² Couplings Using Nonmetallic Substrates. <i>Chemistry Letters</i> , 2013, 42, 94-108.	0.7	23
28	1,3-Bis(carboxymethyl)imidazolium Chloride as a Metal-Free and Recyclable Catalyst for the Synthesis of <i>N</i> -Allylanilines by Allylic Substitution of Alcohols. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 14063-14070.	3.2	22
29	NHC–Ligand Effectiveness in the Fluorine–Free Hiyama Reaction of Aryl Halides. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 1479-1484.	1.2	21
30	Palladium and Organocatalysis: An Excellent Recipe for Asymmetric Synthesis. <i>Molecules</i> , 2013, 18, 10108-10121.	1.7	21
31	Lewis acid-promoted conjugate addition of functionalised organolithium compounds to electrophilic olefins. <i>Tetrahedron</i> , 2001, 57, 5799-5805.	1.0	20
32	Effective and Sustainable Access to Quinolines and Acridines: A Heterogeneous Imidazolium Salt Mediates C–C and C–N Bond Formation. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4928-4940.	1.2	20
33	New reactivity of functionalised organolithium compounds in the presence of Cu(I) or Cu(II) salts: conjugate addition, acylation or dimerisation. <i>Tetrahedron</i> , 2001, 57, 2371-2378.	1.0	19
34	A comparative study of hydroxyl– and carboxylate–functionalized imidazolium and benzimidazolium salts as precursors for <i>N</i> –heterocyclic carbene ligands. <i>Applied Organometallic Chemistry</i> , 2015, 29, 624-632.	1.7	19
35	Versatile Barium and Calcium Imidazolium–Dicarboxylate Heterogeneous Catalysts in Quinoline Synthesis. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 6375-6381.	1.2	19
36	Lithium- ¹ -lithioacetate and ² -lithiopropionate: useful intermediates in organic synthesis. <i>Tetrahedron Letters</i> , 2000, 41, 5335-5339.	0.7	16

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37	Isoprene-catalysed lithiation: deprotection and functionalisation of imidazole derivatives. <i>Tetrahedron</i> , 2007, 63, 947-952.	1.0	15
38	Anion-Dependent Imidazolium-Based Catalysts for Allylation of Aniline with Tunable Regioselectivity. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2494-2502.	2.1	15
39	Functionalised organotitanium compounds: from lithium to titanium intermediates in chemoselective reactions with carbonyl compounds. <i>Tetrahedron</i> , 2001, 57, 2365-2370.	1.0	13
40	Biscarboxy-Functionalized Imidazole and Palladium as Highly Active Catalytic System in Protic Solvents: Methanol and Water. <i>Synthesis</i> , 2014, 46, 2965-2975.	1.2	13
41	Comparative Study of Catalytic Systems Formed by Palladium and Acyl-Substituted Imidazolium Salts. <i>ChemistrySelect</i> , 2018, 3, 887-893.	0.7	13
42	Functionalised propargyllithium reagents. <i>Tetrahedron</i> , 1997, 53, 17201-17210.	1.0	9
43	Masked $\hat{2}$ -, $\hat{3}$ - and $\hat{1}$ -lithium ester enolates: useful reagents in organic synthesis. <i>Tetrahedron Letters</i> , 2001, 42, 1029-1032.	0.7	9
44	Non-Deprotonating Methodologies for Organolithium Reagents Starting from Non-Halogenated Materials. Part 1: Carbon \hat{C} Heteroatom Bond Cleavage. <i>Current Organic Chemistry</i> , 2011, 15, 375-400.	0.9	9
45	Easy selective generation of (lithiomethyl)cyclopropane or homoallyllithium by a chlorine-lithium exchange. <i>Tetrahedron Letters</i> , 2008, 49, 6870-6872.	0.7	8
46	Cyclopropylmethyl- and cyclobutylmethyllithium by an arene-catalyzed lithiation. Stability and reactivity. <i>Tetrahedron</i> , 2010, 66, 2928-2935.	1.0	8
47	Non-Deprotonating Methodologies for Organolithium Reagents Starting from Non-Halogenated Materials. Part 2: Transmetalation and Addition to Multiple Bonds. <i>Current Organic Chemistry</i> , 2011, 15, 2362-2389.	0.9	8
48	Oxidative Coupling-Thionation of Amines Mediated by Iron-Based Imidazolium Salts for the Preparation of Thioamides. <i>Synthesis</i> , 2018, 50, 3031-3040.	1.2	8
49	Masked $\hat{1}$ -Lithio Ester Enolates: Synthetic Applications. <i>Molecules</i> , 2004, 9, 330-348.	1.7	8
50	1,2-Functionalized Imidazoles as Palladium Ligands: An Efficient and Robust Catalytic System for the Fluorine-Free Hiyama Reaction. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 872-877.	1.2	7
51	Efficient Thiophene Synthesis Mediated by 1,3-Bis(carboxymethyl)imidazolium Chloride: C-C and C-S Bond Formation. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 4319-4325.	1.2	6
52	Imidazolium-urea low transition temperature mixtures for the UHP-promoted oxidation of boron compounds. <i>Journal of Molecular Liquids</i> , 2022, 347, 118349.	2.3	6
53	Bioactive N-Phenylimidazole Derivatives. <i>Current Chemical Biology</i> , 2009, 3, 385-408.	0.2	5
54	Isoprene as Lithiation Mediator: Synthesis of 2-Substituted 1-Alkylimidazole Derivatives. <i>Synthesis</i> , 2012, 44, 2630-2638.	1.2	5

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55	Density Functional Theory-Inspired Design of Ir/P,S-Catalysts for Asymmetric Hydrogenation of Olefins. <i>Organometallics</i> , 2021, 40, 3424-3435.	1.1	5
56	Isoprene-Mediated Lithiation of 1-Alkylimidazoles: Chiral Induction of the Alkyl Substituent. <i>Letters in Organic Chemistry</i> , 2010, 7, 373-376.	0.2	3
57	Isoprene-promoted lithiation of 1-phenylimidazole. <i>Arkivoc</i> , 2007, 2008, 8-15.	0.3	1
58	Novel Simple and Highly Modular Ligands for Efficient Asymmetric Transfer-Hydrogenation of Ketones.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
59	Employing the Structural Diversity of Nature: Development of Modular Dipeptide-Analogue Ligands for Ruthenium-Catalyzed Enantioselective Transfer Hydrogenation of Ketones.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
60	Highly Enantioselective Ruthenium-Catalyzed Reduction of Ketones Employing Readily Available Peptide Ligands.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
61	2-(Aminomethyl)-oxazolines: Highly Modular Scaffolds for the Preparation of Novel Asymmetric Ligands.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
62	Functionalized Organotitanium Compounds: From Lithium to Titanium Intermediates in Chemoselective Reactions with Carbonyl Compounds.. <i>ChemInform</i> , 2001, 32, 79-79.	0.1	0
63	New Reactivity of Functionalized Organolithium Compounds in the Presence of Cu(I) or Cu(II) Salts: Conjugate Addition, Acylation or Dimerization.. <i>ChemInform</i> , 2001, 32, 80-80.	0.1	0
64	Enantioselective catalytic lithiation using a chiral binaphthyl derivative as electron carrier. <i>Arkivoc</i> , 2014, 2014, 71-84.	0.3	0
65	STUDENT CONSIDERATIONS ON THEIR PRACTICAL TRAINING IN ORGANIC CHEMISTRY SUBJECTS. <i>INTED Proceedings</i> , 2016, , .	0.0	0
66	CONTRIBUTION OF PRACTICAL ACTIVITIES TO THE ASSESSMENT OF EXPERIMENTAL SCIENCES SUBJECTS. <i>INTED Proceedings</i> , 2016, , .	0.0	0
67	IMPROVEMENT OF ACADEMIC PERFORMANCE AND INDIVIDUAL GROWTH IN STUDENTS IN UNIVERSITY EDUCATION ON THE BASIS OF KNOWLEDGE AND DEVELOPMENT OF STRENGTHS AND THE ATTAINMENT OF THEIR OWN OBJECTIVES. , 2017, , .		0
68	N,N-Diethyl-3-methylbenzamide. <i>MolBank</i> , 2022, 2022, M1395.	0.2	0