

Damien Prim

List of Publications by Year in descending order

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80
papers

2,056
citations

331670

21
h-index

254184

43
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87
all docs

87
docs citations

87
times ranked

2387
citing authors

#	ARTICLE	IF	CITATIONS
1	Palladium-catalysed reactions of aryl halides with soft, non-organometallic nucleophiles. <i>Tetrahedron</i> , 2002, 58, 2041-2075.	1.9	369
2	Design and Synthesis of New Circularly Polarized Thermally Activated Delayed Fluorescence Emitters. <i>Journal of the American Chemical Society</i> , 2016, 138, 3990-3993.	13.7	269
3	Recent developments in alkene hydro-functionalisation promoted by homogeneous catalysts based on earth abundant elements: formation of C–N, C–O and C–P bond. <i>Dalton Transactions</i> , 2015, 44, 12029-12059.	3.3	124
4	Intermolecular FeCl ₃ -Catalyzed Hydroamination of Styrenes. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2601-2603.	2.4	92
5	Fluorescein Derivatives as Fluorescent Probes for pH Monitoring along Recent Biological Applications. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9217.	4.1	80
6	First-Row Late Transition Metals for Catalytic Alkene Hydrofunctionalisation: Recent Advances in C-N, C-O and C-P Bond Formation. <i>Molecules</i> , 2017, 22, 1901.	3.8	65
7	Characterization of cyclic and non-cyclic poly-(ether-urethane)s bio-based sugar diols by a combination of MALDI-TOF and NMR. <i>European Polymer Journal</i> , 2007, 43, 3415-3433.	5.4	57
8	Recent advances in the chemistry of 1,2,4-triazoles: Synthesis, reactivity and biological activities. <i>Tetrahedron Letters</i> , 2021, 86, 153518.	1.4	50
9	First expeditious synthesis of 6,11-diamino-[6]carbohelicenes. <i>Chemical Communications</i> , 2009, , 4827.	4.1	47
10	N-Heterocyclic Pyridylmethylamines: Synthesis, Complexation, Molecular Structure, and Application to Asymmetric Suzuki–Miyaura and Oxidative Coupling Reactions. <i>Organometallics</i> , 2011, 30, 4074-4086.	2.3	42
11	Enantioselective Friedel–Crafts alkylation of indole derivatives catalyzed by new Yb(OTf) ₃ -pyridylalkylamine complexes as chiral Lewis acids. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 497-503.	2.8	39
12	New thiophene derivatives as potential materials for non linear optics. <i>Journal of Heterocyclic Chemistry</i> , 1994, 31, 1005-1009.	2.6	35
13	Synthesis and stereochemistry of β -aryl- β -haloacroleins: useful intermediates for the preparation of α and (E)-2-en-4-ynecarbaldehydes and for the synthesis of rubrolides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1999, , 1175-1180.	0.9	34
14	Azetidines as ligands in the Pd(II) complexes series. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2306-2311.	1.8	33
15	FeCl ₃ -catalyzed addition of nitrogen and 1,3-dicarbonyl nucleophiles to olefins. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 296-304.	1.8	32
16	Regio-Defined Amino[5]Oxa- and Thiahelicenes: A Dramatic Impact of the Nature of the Heteroatom on the Helical Shape and Racemization Barriers. <i>Journal of Organic Chemistry</i> , 2010, 75, 2096-2098.	3.2	31
17	Concise Synthesis of Tricyclic Isoindolinones via One-Pot Cascade Multicomponent Sequences. <i>Organic Letters</i> , 2009, 11, 1817-1820.	4.6	30
18	N-Heterocyclic Benzhydrylamines as New N,N-Bidentate Ligands in Palladium Complexes: Synthesis, Characterization and Catalytic Activity. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2739-2745.	2.0	27

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19	Aminated cellulose as a versatile adsorbent for batch removal of As(V) and Cu(II) from mono- and multicomponent aqueous solutions. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 158-175.	9.4	26
20	New 2-(2-pyridyl)piperidines: synthesis, complexation of palladium and catalytic activity in Suzuki reaction. <i>Tetrahedron Letters</i> , 2008, 49, 1706-1709.	1.4	25
21	Electrodeposition of Polypyrenes with Tunable Hydrophobicity, Water Adhesion, and Fluorescence Properties. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7077-7087.	3.1	24
22	Pyridylmethylamineâ€“Palladium Catalytic Systems: Aâ€“...Selective Alternative in the Câ”H Arylation of Indole. <i>ChemCatChem</i> , 2017, 9, 389-392.	3.7	24
23	Asymmetric Assisted Tandem Catalysis: Hydroamination followed by Asymmetric Friedelâ€“Crafts Reaction from a Single Chiral <i>N,N</i> -Bis(2-pyridylmethyl)amineâ€“Based Tetradentate Pyridylmethylamineâ€“Based Ligand. <i>ChemCatChem</i> , 2016, 8, 2455-2460.		21
24	<i>N,N</i> -Carboranyl-methylamineâ€“Pyridine Associations: Synthesis, Characterization, and First Complexation Studies. <i>Organometallics</i> , 2010, 29, 4130-4134.	2.3	20
25	Binaphthyl platform as starting materials for the preparation of electron rich benzo[g,h,i]perylene. Application to molecular architectures based on amino benzo[g,h,i]perylene and carborane combinations. <i>Chemical Communications</i> , 2011, 47, 7725.	4.1	20
26	Câ€“H Functionalization Strategies in the Naphthalene Series: Site Selections and Functional Diversity. <i>Synthesis</i> , 2020, 52, 2600-2612.	2.3	19
27	Synthesis and Molecular Structure of Symmetrical 1,8â€“Diarylnaphthalenes. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5800-5806.	2.4	18
28	Cyclic and non cyclic aliphaticâ€“aromatic polyesters derived from biomass: Study of structures by MALDI-ToF and NMR. <i>European Polymer Journal</i> , 2011, 47, 2097-2110.	5.4	17
29	New series of acridines and phenanthrolines: synthesis and characterization. <i>Tetrahedron</i> , 2014, 70, 3042-3048.	1.9	16
30	Synthesis, characterisation and application of pyridine-modified chitosan derivatives for the first non-racemic Cu-catalysed Henry reaction. <i>Carbohydrate Polymers</i> , 2018, 181, 1206-1212.	10.2	15
31	Application of pyridine-modified chitosan derivative for simultaneous adsorption of Cu(II) and oxyanions of Cr(VI) from aqueous solution. <i>Journal of Environmental Management</i> , 2021, 282, 111939.	7.8	15
32	Simple pyridylmethylamines: efficient and robust <i>N,N</i> -ligands for Suzukiâ€“Miyaura coupling reactions. <i>Tetrahedron Letters</i> , 2010, 51, 5392-5394.	1.4	14
33	On the molecular structure and geometry of pyridylalkylamineâ€“H ⁺ complexes: application to catalytic enantioselective hydroxyalkylation of indoles. <i>New Journal of Chemistry</i> , 2013, 37, 2683.	2.8	14
34	From imidates to vinyl-1,2,4-triazoles: Synthesis, mechanistic aspects and first issues of their reactivity. <i>Tetrahedron</i> , 2018, 74, 6972-6978.	1.9	14
35	Pyridylalkylamine ligands and their palladium complexes: structure and reactivity revisited by NMR. <i>Magnetic Resonance in Chemistry</i> , 2014, 52, 273-278.	1.9	13
36	Ring-closing metathesis on deactivated allyl-phosphonates and -phosphoramidates: access to dihydrophosphinine oxides bearing an ester group. <i>Tetrahedron Letters</i> , 2016, 57, 379-382.	1.4	12

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37	Site-Selective Arylation of Naphthalenes: a Key Entry towards Extended Fluorenones and Phenanthridinones. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1835-1841.	2.4	12
38	New palladium-oxazoline complexes: Synthesis and evaluation of the optical properties and the catalytic power during the oxidation of textile dyes. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 1175-1186.	2.2	11
39	Superhydrophobic and fluorescent properties of fluorinated polypyrene surfaces using various polar linkers prepared via electropolymerization. <i>Reactive and Functional Polymers</i> , 2019, 135, 65-76.	4.1	11
40	Versatile approach to densely substituted isoxazolines and pyrazolines: Focus on a quaternary carbon center as a constitutive feature. <i>Tetrahedron Letters</i> , 2020, 61, 151958.	1.4	11
41	New Chiral Cyclooctatriene-Based Polycyclic Architectures. <i>Organic Letters</i> , 2011, 13, 4450-4453.	4.6	10
42	A Flexible Strategy Towards Thienyl-, Oxazolyl- and Pyridyl-Fused Fluorenones. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 4515-4522.	2.4	10
43	Arylation of allylphosphonates and application to the preparation of phosphonomethyl-coumarin, -quinolinone and -benzoxepinone skeletons. <i>Tetrahedron Letters</i> , 2015, 56, 1679-1681.	1.4	10
44	Understand, elucidate and rationalize the coordination mode of pyrimidylmethylamines: an intertwined study combining NMR and DFT methods. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 8740-8749.	2.8	10
45	Superhydrophobic polypyrene films to prevent <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> biofilm adhesion on surfaces: high efficiency deciphered by fluorescence microscopy. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 1023-1035.	2.9	10
46	Modular Urea-Based Catalytic Platforms Bearing Flexible Pyridylmethylamine and Rigid Pyridyl-imidazolidine Fragments. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 746-752.	2.4	9
47	Synthesis of partially hydrogenated oxa[5] and oxa[6]helicenes from β -chlorovinylaldehydes. <i>Tetrahedron Letters</i> , 2013, 54, 4721-4725.	1.4	8
48	New biosourced alternated poly(ether)Ester-Amides (PeEA): synthesis and combined NMR/MALDI ToF MS characterization. <i>Journal of Polymer Research</i> , 2014, 21, 1.	2.4	8
49	Convenient and rapid strategies towards 6-(hetero)aryl pyridylmethylamines: first catalytic issues. <i>Tetrahedron Letters</i> , 2015, 56, 1378-1382.	1.4	8
50	Experimental Characterization of Droplet Adhesion: The Ejection Test Method (ETM) Applied to Surfaces with Various Hydrophobicity. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8693-8700.	2.5	8
51	A convenient synthesis of phosphonomethyl β , γ -unsaturated β -lactams. <i>Tetrahedron Letters</i> , 2015, 56, 5397-5400.	1.4	7
52	Deciphering the Conformational Choreography of Zinc Coordination Complexes with Standard and Novel Proton NMR Techniques Combined with DFT Methods. <i>ChemPhysChem</i> , 2016, 17, 1034-1045.	2.1	7
53	Benzannulated Cycloheptanones from Binaphthyl Platforms. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 490-497.	2.4	6
54	β -Alkylsulfide phosphonates through the thia-Michael strategy. <i>Journal of Sulfur Chemistry</i> , 2014, 35, 674-682.	2.0	6

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55	New biosourced chiral molecularly imprinted polymer: Synthesis, characterization, and evaluation of the recognition capacity of methyltestosterone. <i>Journal of Molecular Recognition</i> , 2017, 30, e2594.	2.1	6
56	Topology and Electronic Density Driven Generation of Alkali Cation Complexes. <i>Chemistry - A European Journal</i> , 2018, 24, 8656-8663.	3.3	6
57	Palladium-Catalyzed Regioselective Alkoxylation via C-H Bond Activation in the Dihydrobenzo[c]acridine Series. <i>Catalysts</i> , 2018, 8, 139.	3.5	6
58	Intertwined Detection and Recognition Roles of Tetrazine in Synergistic Anion- π and H-bond Based Anion Receptor. <i>ChemPhysChem</i> , 2020, 21, 1249-1257.	2.1	6
59	New Compounds from 6,7-Dihydrobenzo[<i>c</i>]thiophen-4(5 <i>H</i>)-ones.. <i>Liebigs Annalen</i> , 1996, 1996, 239-245.	0.8	5
60	New biosourced AA and AB monomers from 1,4:3,6-dianhydrohexitols, Isosorbide, Isomannide, and Isoide. <i>Designed Monomers and Polymers</i> , 2017, 20, 221-233.	1.6	5
61	Design and property investigation on a five-interaction-based fluorescent anion receptor clip. <i>RSC Advances</i> , 2021, 11, 9476-9487.	3.6	5
62	On the Shape and Synthesis of Extended Fluorenones: Recent Advances and Upcoming Challenges. <i>European Journal of Organic Chemistry</i> , 0, , .	2.4	5
63	3D shapes of aryl(dihydro)naphthothiophenes: a comprehensive and structural study. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 10844-10851.	2.8	4
64	Efficient strategy toward saturated N,P-heterocycles. Synthesis of 1,2-azaphospholidines and extension to the preparation of azaphosphacane and azaphosphanane higher homologues. <i>RSC Advances</i> , 2017, 7, 18211-18216.	3.6	4
65	Rhodium-Catalyzed C-H Activation of Naphthamides for the Synthesis of Substituted 3- <i>Benzo[<i>e</i>]isoindolin-3-ones</i> . <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6407-6412. ^{2,4}	2.4	4
66	A bioinspired approach to fabricate fluorescent nanotubes with strong water adhesion by soft template electropolymerization and post-grafting. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 236-247.	9.4	4
67	A spiral designed surface based on amino- <i>perylene</i> grafted polyacrylic acid. <i>Chemical Communications</i> , 2014, 50, 12034-12036.	4.1	3
68	Straightforward and Regioselective Access to Unsaturated α -Benzyl Butyrolactones. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 5246-5251.	2.4	3
69	Deciphering preferred geometries of pyridylmethylamines-based complexes: A robust strategy combining NMR, DFT and X-ray. <i>Inorganica Chimica Acta</i> , 2019, 498, 119070.	2.4	3
70	Unraveling the C-H Arylation of Benzo-Fused Cycloalkanones: Combined Experimental and Computational Evidence. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 1685-1694.	4.3	3
71	Divergent strategy for the synthesis of original dihydrobenzo- and dihydronaphtho-acridines. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 6269-6277.	2.8	2
72	From α -Bromomethylbutenolide to Fused Tri(Tetra) Cyclic Dihydrofuranones through Barbier Reaction-Heck Arylation Sequence. <i>Molecules</i> , 2017, 22, 2171.	3.8	2

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73	Aziridine- and Azetidine-Pd Catalytic Combinations. Synthesis and Evaluation of the Ligand Ring Size Impact on Suzuki-Miyaura Reaction Issues. <i>Catalysts</i> , 2017, 7, 27.	3.5	2
74	Helically shaped cation receptor: design, synthesis, characterisation and first application to ion transport. <i>RSC Advances</i> , 2020, 10, 31670-31679.	3.6	2
75	N-Tosylcarboxamide in C-H Functionalization: More than a Simple Directing Group. <i>Processes</i> , 2020, 8, 981.	2.8	2
76	Orthogonal arylations of 5-vinyl-1,2,4-triazoles. <i>Tetrahedron</i> , 2020, 76, 130954.	1.9	2
77	Application of Raw and Chemically Modified Biomasses for Heterogeneous Cu-Catalysed Conversion of Aryl boronic Acids to Phenols Derivatives. <i>Catalysts</i> , 2022, 12, 92.	3.5	2
78	Selective synthesis of mono- and bis-butenolide α -aminomethyl adducts. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 3298-3303.	2.8	1
79	Pyridylmethylamines a modular and underrated family of ligands in both metal- and organo-catalysis. <i>Vietnam Journal of Chemistry</i> , 2020, 58, 404-409.	0.8	0
80	Selective palladium-catalyzed functionalization of α -methylene butanolides. <i>Tetrahedron</i> , 2022, , 132926.	1.9	0