

# Mateo Alajarin

## List of Publications by Citations

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231  
papers

4,380  
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35  
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46  
g-index

350  
ext. papers

4,938  
ext. citations

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avg, IF

5.31  
L-index

#	Paper	IF	Citations
231	C=C-conjugated carbodiimides as 2-aza dienes in intramolecular [4+2] cycloadditions. One-pot preparation of quinoline, $\alpha$ -carboline, and quinindoline derivatives. <i>Journal of Organic Chemistry</i> , <b>1992</b> , 57, 929-939	4.2	91
230	Azodicarboxamides as template binding motifs for the building of hydrogen-bonded molecular shuttles. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 10741-7	16.4	86
229	Recent Highlights in Ketenimine Chemistry. <i>European Journal of Organic Chemistry</i> , <b>2012</b> , 2012, 5637-5653	3.2	79
228	Convenient Improved Syntheses of Isocyanates or Isothiocyanates from Amines. <i>Synthesis</i> , <b>1982</b> , 1982, 596-597	2.9	73
227	Formal Total Synthesis of the Alkaloid Cryptotackeine (Neocryptolepine). <i>Journal of Natural Products</i> , <b>1997</b> , 60, 747-748	4.9	72
226	New methodology for the preparation of quinazoline derivatives via tandem aza-wittig/heterocumulene-mediated annulation. Synthesis of 4(3H)-quinazolinones, benzimidazo[1,2-c]quinazolines, quinazolino[3,2-a]quinazolines and benzothiazolo[3,2-c]quinazolines. <i>Tetrahedron</i> , <b>1989</b> , 45, 4263-4286	2.4	72
225	New methodology for the preparation of pyrrole and indole derivatives via iminophosphoranes: synthesis of pyrrolo[1,2-a]quinoxalines, indolo[3,2-c]quinolines and indolo[1,2-c]quinazolines. <i>Tetrahedron</i> , <b>1990</b> , 46, 1063-1078	2.4	58
224	Stereocontrolled Synthesis of $\beta$ -Lactams within [2]Rotaxanes: Showcasing the Chemical Consequences of the Mechanical Bond. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 8726-9	16.4	58
223	Hydricity-promoted [1,5]-H shifts in acetalic ketenimines and carbodiimides. <i>Organic Letters</i> , <b>2006</b> , 8, 5645-8	6.2	57
222	Salicylate-selective electrode based on a biomimetic guanidinium ionophore. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 1273-8	7.8	56
221	Molecular Containers: Design Approaches and Applications. <i>Structure and Bonding</i> , <b>2003</b> , 97-168	0.9	55
220	Photoswitchable interlocked thiodiglycolamide as a cocatalyst of a chalcogeno-Baylis-Hillman reaction. <i>Chemical Science</i> , <b>2017</b> , 8, 3775-3780	9.4	50
219	Use of a Guanidinium Ionophore in a Hydrogen Sulfite-Selective Electrode. <i>Analytical Chemistry</i> , <b>1994</b> , 66, 3188-3192	7.8	49
218	Experimental and theoretical study of the R <sub>3</sub> P <sup>+</sup> -X <sup>-</sup> bond. Case of betaines derived from N-iminophosphoranes and alkyl isocyanates. <i>Journal of the American Chemical Society</i> , <b>1989</b> , 111, 355-363	16.4	48
217	Domino reactions initiated by intramolecular hydride transfers from tri(di)arylmethane fragments to ketenimine and carbodiimide functions. <i>Organic and Biomolecular Chemistry</i> , <b>2010</b> , 8, 4690-700	3.9	45
216	Conversion of N-acyl-4-acyloxy-beta-lactams into 1,3-oxazin-6-ones: two consecutive pseudopericyclic processes. <i>Organic Letters</i> , <b>2000</b> , 2, 965-8	6.2	45
215	Tandem 1,5-Hydride Shift/6 $\pi$ -Electrocyclization of Ketenimines and Carbodiimides Substituted with Cyclic Acetal and Dithioacetal Functions: Experiments and Computations. <i>European Journal of Organic Chemistry</i> , <b>2011</b> , 2011, 1896-1913	3.2	44

214	Heterocyclic synthesis via a tandem aza-Wittig reaction/heterocumulene-mediated annulation reaction. New methodology for the preparation of quinazoline derivatives.. <i>Tetrahedron Letters</i> , <b>1988</b> , 29, 3849-3852	2	44
213	Dimeric self-assembling capsules derived from the highly flexible tribenzylamine skeleton. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 7091-5	4.2	43
212	Functionalization of Acetalic C(sp <sup>3</sup> )-H Bonds by Scandium(III) Triflate-Catalyzed Intramolecular Redox Reactions: Tandem 1,4-Hydride Transfer/1,5-Cyclization Processes Leading to Protected 1-Indanones. <i>Advanced Synthesis and Catalysis</i> , <b>2011</b> , 353, 557-562	5.6	42
211	Tandem 1,5-hydride shift/1,5-S,N-cyclization with ethylene extrusion of 1,3-oxathiolane-substituted ketenimines and carbodiimides. An experimental and computational study. <i>Journal of Organic Chemistry</i> , <b>2010</b> , 75, 3737-50	4.2	41
210	Intramolecular addition of benzylic radicals onto ketenimines. Synthesis of 2-alkylindoles. <i>Organic and Biomolecular Chemistry</i> , <b>2003</b> , 1, 4282-92	3.9	41
209	Surpassing Torquoelectronic Effects in Conrotatory Ring Closures: Origins of Stereocontrol in Intramolecular KetenimineImine [2+2] Cycloadditions. <i>Chemistry - A European Journal</i> , <b>1999</b> , 5, 1106-1114 <sup>8</sup>	4.8	40
208	Redox divergent conversion of a [2]rotaxane into two distinct degenerate partners with different shuttling dynamics. <i>Chemical Science</i> , <b>2012</b> , 3, 2314	9.4	39
207	New Cage Compounds: Preparation and Characterization of Chiral C <sub>3</sub> -Symmetric Macrobicyclic Tris(phosphazides). <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 67-70		39
206	A new modular and flexible approach to [1,2,3]triazolo[1,5-a][1,4]benzodiazepines. <i>Tetrahedron Letters</i> , <b>2007</b> , 48, 3495-3499	2	39
205	Self-assembly of tris(2-ureidobenzyl)amines: a new type of capped, capsule-like dimeric aggregates derived from a highly flexible skeleton. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 1383-97	4.8	39
204	On the mechanism of conversion of N-acyl-4-acyloxy-beta-lactams into 2-substituted 1,3-oxazin-6-ones. Can a low-barrier transition state be antiaromatic?. <i>Journal of Organic Chemistry</i> , <b>2001</b> , 66, 8470-7	4.2	39
203	Tandem pseudopericyclic reactions: [1,5]-X sigmatropic shift/6pi-electrocyclic ring closure converting N-(2-X-carbonyl)phenyl ketenimines into 2-X-quinolin-4(3H)-ones. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 8126-39	4.2	38
202	Thermal cyclization of phenylallenes that contain ortho-1,3-dioxolan-2-yl groups: new cascade reactions initiated by 1,5-hydride shifts of acetalic H atoms. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 16093-103	4.8	36
201	Self-assembly of tris(ureidobenzyl)amines: flexible bricks for robust architectures. <i>Chemical Communications</i> , <b>2010</b> , 46, 1394-403	5.8	36
200	On the [2+2] cycloaddition of 2-aminothiazoles and dimethyl acetylenedicarboxylate. Experimental and computational evidence of a thermal disrotatory ring opening of fused cyclobutenes. <i>Journal of Organic Chemistry</i> , <b>2006</b> , 71, 5328-39	4.2	36
199	Small-molecule recognition for controlling molecular motion in hydrogen-bond-assembled rotaxanes. <i>Angewandte Chemie - International Edition</i> , <b>2014</b> , 53, 6762-7	16.4	35
198	[4 + 2] Cycloaddition reaction of C-aryl ketenimines with PTAD as a synthetic equivalent of dinitrogen. Synthesis of triazolocinnolines and cinnolines. <i>Journal of Organic Chemistry</i> , <b>2009</b> , 74, 3558-64 <sup>2</sup>	4.2	35
197	Intramolecular [2 + 2] cycloaddition of ketenimines with imines. Synthesis and chemical behaviour of azeto[2,1-b]quinazolines. <i>Tetrahedron</i> , <b>1997</b> , 53, 13449-13472	2.4	35

- 196 First radical addition onto ketenimines: a novel synthesis of indoles. *Tetrahedron Letters*, **2003**, 44, 3027-3030 35
- 195 Highly efficient induction of chirality in intramolecular. *Journal of Organic Chemistry*, **2000**, 65, 3633-43 4.2 35
- 194 The Chemistry of Phosphinous Amides (Aminophosphanes): Old Reagents with New Applications. *Topics in Current Chemistry*, **2005**, 77-106 34
- 193 Synthetic applications of bis(iminophosphoranes). One-pot preparation of rigid bicyclic guanidines. *Journal of Organic Chemistry*, **1993**, 58, 1687-1695 4.2 34
- 192 Insertion of benzynes into the P=N Bond of P-alkenyl(alkynyl)- $\beta$ -phosphazenes. *Organic Letters*, **2011**, 13, 5668-71 6.2 33
- 191 A New and Efficient Preparation of Cyclic Carbodiimides from Bis(iminophosphoranes) and the System Boc<sub>2</sub>O/DMAP. *Journal of Organic Chemistry*, **1994**, 59, 7306-7315 4.2 33
- 190 Reactivity and synthetic applications of bis(iminophosphoranes). One-pot preparation of pyrido[2,3,4-de]quinazolines and benzo[de][1,6]naphthyridines. *Journal of Organic Chemistry*, **1992**, 57, 6703-6711 4.2 33
- 189 Cycloaddition reactions of carbodiimides. The first example of an intramolecular Diels-Alder reaction of CC-conjugated carbodiimides. *Journal of the Chemical Society Chemical Communications*, **1990**, 1277-1279 33
- 188 From ketenimines to ketenes to quinolones: two consecutive pseudopericyclic events. *Organic Letters*, **2005**, 7, 5281-4 6.2 32
- 187 Unexpected formation of 2,1-benzisothiazol-3-ones from oxathiolano ketenimines: a rare tandem process. *Organic Letters*, **2009**, 11, 1365-8 6.2 31
- 186 New stereoselective intramolecular. *Journal of Organic Chemistry*, **2000**, 65, 7512-5 4.2 31
- 185 Iminophosphorane-substituted proton sponges. Part 4. Comparison of X-ray molecular structures with solution properties (pK<sub>a</sub>, <sup>1</sup>H and <sup>13</sup>C NMR spectroscopy). *Journal of the Chemical Society Perkin Transactions II*, **1993**, 709-713 31
- 184 Ab initio SCF-MO study of the Staudinger phosphorylation reaction between a phosphane and an azide to form a phosphazene. *Journal of the Chemical Society Perkin Transactions II*, **1999**, 1811-1814 30
- 183 Versatile control of the submolecular motion of di(acylamino)pyridine-based [2]rotaxanes. *Chemical Science*, **2015**, 6, 3087-3094 9.4 29
- 182 Light-responsive peptide [2]rotaxanes as gatekeepers of mechanised nanocontainers. *Chemical Communications*, **2015**, 51, 14501-4 5.8 29
- 181 (3h)J((15)N-(31)P) spin-spin coupling constants across N-H...O-P hydrogen bonds. *Journal of the American Chemical Society*, **2002**, 124, 6393-7 16.4 29
- 180 Dethreading of Tetraalkylsuccinamide-Based [2]Rotaxanes for Preparing Benzylic Amide Macrocycles. *Journal of Organic Chemistry*, **2015**, 80, 10049-59 4.2 28
- 179 Intramolecular [2 + 2] cycloaddition of ketenimines with imines. *Tetrahedron Letters*, **1996**, 37, 8945-8948 28

178	Nitrate-selective electrode based on a cyclic bis-thiourea ionophore. <i>Sensors and Actuators B: Chemical</i> , <b>2007</b> , 121, 200-207	8.5	27
177	Domino reactions. One-pot preparation of fluoreno[2,3,4-ij]isoquinoline derivatives from conjugated ketene imines. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 4008-4016	4.2	27
176	Mechanically Interlocked Catalysts for Asymmetric Synthesis. <i>ACS Catalysis</i> , <b>2020</b> , 10, 7719-7733	13.1	26
175	Competitive binding for triggering a fluorescence response in a hydrazodicarboxamide-based [2]rotaxane. <i>Organic and Biomolecular Chemistry</i> , <b>2014</b> , 12, 474-8	3.9	26
174	Preparation and Intramolecular Cyclization of Bis(carbodiimides). Synthesis and X-ray Structure of 1,3-Diazetidino-2,4-dimine Derivatives. <i>Journal of Organic Chemistry</i> , <b>1999</b> , 64, 1121-1130	4.2	26
173	Synthesis of isoquinoline derivatives by a tandem aza-Wittig/electrocyclization strategy and preparation of the unknown 1,9-diazaphenalene ring by a consecutive electrocyclic ring closure/Claisen rearrangement/intramolecular amination process. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 7617-23	4.2	26
172	Iminophosphorane-substituted proton sponges. Part 1. X-ray molecular structures of 1,8-diaminonaphthalene and 1-amino-8-triphenylphosphoranylideneaminonaphthalene. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1991</b> , 1025		26
171	Dampened circumrotation by CH $\cdots$ N interactions in hydrogen bonded [2]rotaxanes. <i>Chemical Communications</i> , <b>2012</b> , 48, 5677-9	5.8	25
170	On the mechanism of phthalimidine formation via o-phthalaldehyde monoimines. New [1,5]-H sigmatropic rearrangements in molecules with the 5-aza-2,4-pentadienal skeleton. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 7617-23	4.2	25
169	Formal [4+2] intramolecular cycloaddition ketenimine-imine. Synthesis of benzimidazo[1,2-b]isoquinolines. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 6127-6130	2	25
168	Enantioselective Formation of 2-Azetidinones by Ring-Assisted Cyclization of Interlocked N-( $\beta$ -Methyl)benzyl Fumaramides. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 6563-6567	16.4	24
167	Tandem [1,5]-H shift/6 $\pi$ electrocyclizations of ketenimines bearing 1,3-oxathiane units. Computational assessment of the experimental diastereoselection. <i>Tetrahedron</i> , <b>2012</b> , 68, 4672-4681	2.4	24
166	Intramolecular ketenimine-ketenimine [2 + 2] and [4 + 2] cycloadditions. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 5863-6	4.2	24
165	Persistent radical effect in the intramolecular addition of benzylic radicals onto ketenimines: selective cross-coupling of $\beta$ (indol-2-yl)benzyl radicals with the 1-cyano-1-methylethyl radical. <i>New Journal of Chemistry</i> , <b>2004</b> , 28, 570-577	3.6	24
164	Periselective intramolecular [4+2] cycloadditions of ketenimines: synthesis of pyrido[1,2-a]benzimidazoles. <i>Tetrahedron Letters</i> , <b>2000</b> , 41, 7029-7032	2	24
163	Interlocking the Catalyst: Thread versus Rotaxane-Mediated Enantiodivergent Michael Addition of Ketones to $\beta$ Nitrostyrene. <i>Organic Letters</i> , <b>2019</b> , 21, 5192-5196	6.2	23
162	Tripod-Tripod Coupling of Triazides with Triphosphanes. The Synthesis, Characterization, and Stability in Solution of New Cage Compounds: Chiral Macrocyclic Triphosphazides. <i>Chemistry - A European Journal</i> , <b>1998</b> , 4, 2558-2570	4.8	23
161	The consecutive [2+2] cycloaddition-ring expansion route to diastereomeric 1,4-diazepin-5-ones from imino-ketenimines. Alternative intramolecular transamidation of $\beta$ lactams. <i>Tetrahedron</i> , <b>2005</b> , 61, 1531-1537	2.4	23

160	Thermal cyclization of N-[2-(2-propenyl)-1-naphthyl] ketenimines: intramolecular Diels-Alder reaction versus [1,5] hydrogen migration. Synthesis of dibenz[b,h]acridines and benzo[h]quinolines. <i>Tetrahedron</i> , <b>2005</b> , 61, 7613-7621	2.4	23
159	Accessing polysubstituted oxazolidines, pyrrolidines and imidazolidines by regioselective [3 + 2] annulations of ketenimines with donor-acceptor oxiranes and aziridines. <i>Organic Chemistry Frontiers</i> , <b>2018</b> , 5, 2020-2029	5.2	22
158	Tandem Processes in C-Aryl Ketenes and Ketenimines Triggered by [1,5]-Hydride-Like Migration of an Acetalic Hydrogen Atom. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 878-886	3.2	22
157	Polar hetero-Diels-Alder reactions of 4-alkenylthiazoles with 1,2,4-triazoline-3,5-diones: an experimental and computational study. <i>Journal of Organic Chemistry</i> , <b>2008</b> , 73, 963-73	4.2	21
156	Helical sense bias induced by point chirality in cage compounds. <i>Angewandte Chemie - International Edition</i> , <b>2002</b> , 41, 1205-8	16.4	21
155	Hydrogen sulfite optical sensor based on a lipophilic guanidinium ionophore. <i>Analytica Chimica Acta</i> , <b>1999</b> , 388, 63-69	6.6	21
154	One pot conversion of alkyl halides into thiols under mild conditions. <i>Tetrahedron Letters</i> , <b>1985</b> , 26, 469-472		21
153	Transformation of Primary Amines to Thiols, Sulfides, or Arylmethyl Thiocyanates via Pyridinium Salts. <i>Synthesis</i> , <b>1982</b> , 1982, 472-475	2.9	21
152	4,6-Diphenyl-2-methylthio-pyrylium Tetrafluoroborate: A New Reagent for the Dehydration of Aldoximes. <i>Synthesis</i> , <b>1982</b> , 1982, 1016-1017	2.9	21
151	Remote Photoregulated Ring Gliding in a [2]Rotaxane via a Molecular Effector. <i>Organic Letters</i> , <b>2017</b> , 19, 154-157	6.2	20
150	Unprecedented intramolecular [3 + 2] cycloadditions of azido-ketenimines and azido-carbodiimides. Synthesis of indolo[1,2-a]quinazolines and tetrazolo[5,1-b]quinazolines. <i>Organic and Biomolecular Chemistry</i> , <b>2011</b> , 9, 6741-9	3.9	20
149	Pulsed gradient spin echo (PGSE) diffusion measurements as a tool for the elucidation of a new type of hydrogen-bonded bicapsular aggregate. <i>Chemistry - A European Journal</i> , <b>2006</b> , 12, 877-86	4.8	20
148	Mode selectivity in the intramolecular cyclization of ketenimines bearing N-acylimino units: a computational and experimental study. <i>Journal of Organic Chemistry</i> , <b>2005</b> , 70, 1340-9	4.2	20
147	Highly diastereoselective self-assembly of chiral tris(m-ureidobenzyl)amino capsules. <i>Chemical Communications</i> , <b>2008</b> , 3992-4	5.8	19
146	Dimerization of tris(o-ureidobenzyl)amines: a novel class of aggregates. <i>Chemical Communications</i> , <b>2001</b> , 169-170	5.8	19
145	Insertion Reactions of Benzyne into P=N and P=S Double Bonds. <i>European Journal of Organic Chemistry</i> , <b>2014</b> , 2014, 1084-1095	3.2	18
144	Highly stereocontrolled [2+2] cycloaddition versus unprecedented imino-ene reactions of imino-ketenimines. <i>Tetrahedron Letters</i> , <b>2002</b> , 43, 6259-6261	2	18
143	New synthetic applications of vinyliminophosphoranes based on the reactivity of the vinyl side chain. <i>Tetrahedron Letters</i> , <b>1994</b> , 35, 3817-3820	2	18

- 142 Reaction of allyl iminophosphoranes with ketenes and acyl chlorides: one-pot preparation of 4-pentenenitriles. *Tetrahedron*, **1993**, 49, 5153-5168 2.4 18
- 141 ortho-Pyrrolylphenyl heterocumulenes: Preparation and cyclization to fused pyrroles. *Tetrahedron Letters*, **1989**, 30, 2847-2850 2 18
- 140 Synthesis of 6,7-dihydro-5H-1,2,4-triazolo[3,4-b][1,3,4]thiadiazines by a C $\equiv$ N ring cyclization under mild conditions. *Journal of the Chemical Society Perkin Transactions 1*, **1987**, 1853-1860 18
- 139 Aromatic Systems with 10 $\pi$ Electrons Derived from 3a-Azapentalene. Part 40. Studies on the 1,2,4-Triazolo[4,3-b][1,2,4]triazole Series. *Bulletin of the Chemical Society of Japan*, **1985**, 58, 735-744 5.1 18
- 138 Copper-Linked Rotaxanes for the Building of Photoresponsive Metal Organic Frameworks with Controlled Cargo Delivery. *Journal of the American Chemical Society*, **2020**, 142, 13442-13449 16.4 17
- 137 1,5-(H, RO, RS) shift/6 $\pi$ electrocyclic ring closure tandem processes on N-(Eheterosubstituted)-2-tolyl]ketenimines: a case study of relative migratory aptitudes and activating effects. *Organic and Biomolecular Chemistry*, **2012**, 10, 9523-37 3.9 17
- 136 retro-Cheletropic ene reactions with 2-carbena-1,3-dioxolane as chelefuge. *Tetrahedron*, **2011**, 67, 5590-5595 17
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- 134 Intramolecular [4 + 2] Cycloaddition Reactions of Ketenimines: A New Synthesis of Benz[b]acridines. *Synthesis*, **2002**, 2002, 2393-2398 2.9 17
- 133 A Practical Synthesis of the First P-Phosphinoylmethyl-B-phosphazenes. *Synthesis*, **2000**, 2000, 2085-2091 2.9 17
- 132 Iminophosphorane-mediated synthesis of fused [1,2,4]triazines: preparation of the novel [1,2,4]triazino[4,3-b][1,2,4,5]tetrazine ring system. *Tetrahedron*, **1988**, 44, 2249-2259 2.4 17
- 131 A Facile Iminophosphorane-Mediated Synthesis of 1,2,4-Triazolo[5,1-c][1,2,4]triazine Derivatives. *Synthesis*, **1984**, 1984, 983-986 2.9 17
- 130 Iminophosphorane-mediated syntheses of [1,2,4]triazolo[5,1-c][1,2,4]triazines. The unexpected formation of Z,Z-1,3-diazetidino-2,4-di-imines. X-Ray molecular structure of 7-(p-chloroanilino)-8-(p-chlorophenyl)-3-methyl[1,2,4]triazolo[5,1-c][1,2,4]triazin-4(8H)-one and of 1,3-bis-(p-chlorophenyl)-2,4-bis-(6-methyl-3-methylthio-5-oxo-4,5-dihydro-1,2,4-triazin-4-ylimino)-1,3-diazetidino. *Journal of the Chemical Society Perkin Transactions 1*, **1986**, 2037 17
- 129 Benzylc Newman-Kwart rearrangement of O-azidobenzyl thiocarbamates triggered by phosphines: pseudopericyclic [1,3] shifts via uncoupled concerted mechanisms. *Tetrahedron*, **2009**, 65, 2579-2590 2.4 16
- 128 New macrobicyclic triphosphazides and triphosphazenes formed by self-assembly of tripodal triazides with triphosphanes. *Tetrahedron*, **2006**, 62, 6190-6202 2.4 16
- 127 Synthesis of 2-Substituted 4H-3,1-Benzoxazin-4-ones by Thermally Induced Cyclization of N-(2-Benzyloxycarbonyl)phenyl Ketenimines; Oxygen-to-Carbon Migration of a Benzyl Group. *Synthesis*, **2005**, 2005, 2426-2432 2.9 16
- 126 One pot preparation of pyrido[2,3,4-de]quinazolines and benzo[de][1,6]naphthyridines by a consecutive process involving an aza-Wittig/electrocyclic ring-closure/heterocumulene-mediated annelation or intramolecular Diels-Alder cycloaddition sequence.. *Tetrahedron Letters*, **1991**, 32, 5379-5382 2 16
- 125 Iminophosphorane-substituted proton sponges. Part 2. Preparation and crystal structure of four phosphoranilideneammonionaphthalene derivatives. *Journal of the Chemical Society Perkin Transactions II*, **1991**, 1667-1676 16

124	Fused mesoionic heterocycles: synthesis of 1,3,4-oxadiazolo[3,2-a]pyridine and 1,3,4-thiadiazolo[3,2-a]pyridine derivatives. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1982</b> , 351		16
123	Aminophosphanes as Iminophosphoranyl Synthons: Efficient P-H Addition to Activated C=C Bonds. <i>Letters in Organic Chemistry</i> , <b>2004</b> , 1, 145-147	0.6	16
122	Density Functional Theory and Quantum Theory of Atoms in Molecules Analysis: Influence of Intramolecular Interactions on Pirouetting Movement in Tetraalkylsuccinamide[2]rotaxanes. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 5845-5857	3.5	15
121	Enhancing the selectivity of prolinamide organocatalysts using the mechanical bond in [2]rotaxanes. <i>Chemical Science</i> , <b>2020</b> , 11, 3629-3635	9.4	15
120	Enantioselective Formation of 2-Azetidinones by Ring-Assisted Cyclization of Interlocked N-( $\beta$ -Methyl)benzyl Fumaramides. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 6673-6677	3.6	15
119	Structure, stability and guest affinity of tris(3-ureidobenzyl)amine capsules in solution. <i>Chemistry - A European Journal</i> , <b>2007</b> , 13, 1559-69	4.8	15
118	Synthesis and molecular structure of a new class of bi- and ter-dentate palladium complexes with iminophosphorane containing ligands. <i>Dalton Transactions</i> , <b>2003</b> , 426-434	4.3	15
117	An efficient entry to monoiminophosphoranes derived from 1,2-bis(diphenylphosphino)ethane: new bidentate P,N ligands. <i>Tetrahedron Letters</i> , <b>2001</b> , 42, 605-607	2	15
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