

Baltasar Bonillo

List of Publications by Year in descending order

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25
papers

2,520
citations

394421

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580821

25
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36
all docs

36
docs citations

36
times ranked

3006
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Organic Photocatalysts for Visible-Light-Driven Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , 2015, 137, 3265-3270.	13.7	747
2	Visible-Light-Driven Hydrogen Evolution Using Planarized Conjugated Polymer Photocatalysts. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1792-1796.	13.8	372
3	Functional materials discovery using energy-structure-function maps. <i>Nature</i> , 2017, 543, 657-664.	27.8	348
4	Extended conjugated microporous polymers for photocatalytic hydrogen evolution from water. <i>Chemical Communications</i> , 2016, 52, 10008-10011.	4.1	175
5	Visible-Light-Driven Hydrogen Evolution Using Planarized Conjugated Polymer Photocatalysts. <i>Angewandte Chemie</i> , 2016, 128, 1824-1828.	2.0	156
6	Tuning Photophysical Properties in Conjugated Microporous Polymers by Comonomer Doping Strategies. <i>Chemistry of Materials</i> , 2016, 28, 3469-3480.	6.7	106
7	Conjugated Polymers of Intrinsic Microporosity (C ⁺ PIMs). <i>Advanced Functional Materials</i> , 2014, 24, 5219-5224.	14.9	89
8	Hydricity-Promoted [1,5]-H Shifts in Acetalic Ketenimines and Carbodiimides. <i>Organic Letters</i> , 2006, 8, 5645-5648.	4.6	63
9	Domino reactions initiated by intramolecular hydride transfers from tri(di)arylmethane fragments to ketenimine and carbodiimide functions. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 4690.	2.8	46
10	Tandem 1,5-Hydride Shift/6 π Electrocyclization of Ketenimines and Carbodiimides Substituted with Cyclic Acetal and Dithioacetal Functions: Experiments and Computations. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 1896-1913.	2.4	46
11	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> , 2010, 75, 3737-3750.	3.2	44
12	Thermal Cyclization of Phenylallenes That Contain <i>ortho</i> -1,3-Dioxolan-2-yl Groups: New Cascade Reactions Initiated by 1,5-Hydride Shifts of Acetalic H α -Atoms. <i>Chemistry - A European Journal</i> , 2013, 19, 16093-16103.	3.3	42
13	[4 + 2] Cycloaddition Reaction of <i>ortho</i> -Aryl Ketenimines with PTAD as a Synthetic Equivalent of Dinitrogen. Synthesis of Triazolocinnolines and Cinnolines. <i>Journal of Organic Chemistry</i> , 2009, 74, 3558-3561.	3.2	40
14	Chain-Growth Polymerization of 2-Chlorothiophenes Promoted by Lewis Acids. <i>Journal of the American Chemical Society</i> , 2012, 134, 18916-18919.	13.7	39
15	Unexpected Formation of 2,1-Benzisothiazol-3-ones from Oxathiolano Ketenimines: A Rare Tandem Process. <i>Organic Letters</i> , 2009, 11, 1365-1368.	4.6	34
16	Structural Elucidation of Amorphous Photocatalytic Polymers from Dynamic Nuclear Polarization Enhanced Solid State NMR. <i>Macromolecules</i> , 2018, 51, 3088-3096.	4.8	32
17	Intramolecular Ketenimine \rightarrow Ketenimine [2 + 2] and [4 + 2] Cycloadditions. <i>Journal of Organic Chemistry</i> , 2007, 72, 5863-5866.	3.2	28
18	Tandem [1,5]-H shift/6 π -electrocyclizations of ketenimines bearing 1,3-oxathiane units. Computational assessment of the experimental diastereoselection. <i>Tetrahedron</i> , 2012, 68, 4672-4681.	1.9	28

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19	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> , 2011, 9, 6741.	2.8	22
20	1,5-(H, RO, RS) shift/6π-electrocyclic ring closure tandem processes on N-[(±-heterosubstituted)-2-tolyl]ketenimines: a case study of relative migratory aptitudes and activating effects. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9523.	2.8	18
21	Synthesis of 3-Fluoropyrrolidines and 4-Fluoropyrrolidines from Allylic Fluorides. <i>Chemistry - A European Journal</i> , 2012, 18, 13126-13132.	3.3	14
22	Bis(heterocumulenes) Derived from the 1,4-Diphenyl-1,3-butadiyne Framework. Synthesis of Three New Classes of Axially Chiral Biheteroaryls. <i>Journal of Organic Chemistry</i> , 2008, 73, 291-294.	3.2	13
23	Phenyl-1,2,4-triazoline-3,5-dione (PTAD) as a Dienophilic Dinitrogen Equivalent: A Simple Synthesis of Amino-1,2,4-benzotriazines from Arylcarbodiimides. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 694-704.	2.4	13
24	Ketenimine for Nitrile Rearrangements in N-Arylmethyl Ketenimines: [1,n] Migrations of Bulky Arylmethyl Groups. <i>Letters in Organic Chemistry</i> , 2010, 7, 528-532.	0.5	4
25	Determination of the absolute configuration of the enantiomers of dihydroquinolines, isolated by chiral chromatography, by non empirical analysis of circular dichroism spectra and X-ray analysis. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 270-276.	1.8	1