

Joan Vignolle

List of Publications by Year in descending order

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35
papers

2,609
citations

236612

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all docs

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docs citations

41
times ranked

2772
citing authors

#	ARTICLE	IF	CITATIONS
1	N-Heterocyclic carbenes (NHCs) as organocatalysts and structural components in metal-free polymer synthesis. <i>Chemical Society Reviews</i> , 2013, 42, 2142.	18.7	473
2	Stable Noncyclic Singlet Carbenes. <i>Chemical Reviews</i> , 2009, 109, 3333-3384.	23.0	381
3	Update and challenges in organo-mediated polymerization reactions. <i>Progress in Polymer Science</i> , 2016, 56, 64-115.	11.8	289
4	N-Heterocyclic carbene-stabilized gold nanoparticles and their assembly into 3D superlattices. <i>Chemical Communications</i> , 2009, , 7230.	2.2	186
5	Imidazol(in)ium Hydrogen Carbonates as a Genuine Source of <i>N</i> -Heterocyclic Carbenes (NHCs): Applications to the Facile Preparation of NHC Metal Complexes and to NHC-Organocatalyzed Molecular and Macromolecular Syntheses. <i>Journal of the American Chemical Society</i> , 2012, 134, 6776-6784.	6.6	164
6	Poly(<i>N</i> -heterocyclic-carbene)s and their CO ₂ Adducts as Recyclable Polymer-Supported Organocatalysts for Benzoin Condensation and Transesterification Reactions. <i>Macromolecules</i> , 2011, 44, 1900-1908.	2.2	135
7	Functional mesoporous poly(ionic liquid)-based copolymer monoliths: From synthesis to catalysis and microporous carbon production. <i>Polymer</i> , 2014, 55, 3423-3430.	1.8	82
8	Imidazolium Hydrogen Carbonates versus Imidazolium Carboxylates as Organic Precatalysts for <i>N</i> -Heterocyclic Carbene Catalyzed Reactions. <i>Journal of Organic Chemistry</i> , 2012, 77, 10135-10144.	1.7	74
9	Synthesis of 1-Vinyl-3-ethylimidazolium-Based Ionic Liquid (Co)polymers by Cobalt-Mediated Radical Polymerization. <i>Macromolecules</i> , 2011, 44, 6397-6404.	2.2	71
10	Poly(ionic liquid)s based on imidazolium hydrogen carbonate monomer units as recyclable polymer-supported <i>N</i> -heterocyclic carbenes: Use in organocatalysis. <i>Journal of Polymer Science Part A</i> , 2013, 51, 4530-4540.	2.5	58
11	The organocatalytic ring-opening polymerization of <i>N</i> -tosyl aziridines by an <i>N</i> -heterocyclic carbene. <i>Chemical Communications</i> , 2016, 52, 9719-9722.	2.2	51
12	Precision Synthesis of Poly(Ionic Liquid)-Based Block Copolymers by Cobalt-Mediated Radical Polymerization and Preliminary Study of Their Self-Assembling Properties. <i>Macromolecular Rapid Communications</i> , 2014, 35, 422-430.	2.0	44
13	Selective Initiation from Unprotected Aminoalcohols for the <i>N</i> -Heterocyclic Carbene-Organocatalyzed Ring-Opening Polymerization of 2-Methyl- <i>N</i> -tosyl Aziridine: Telechelic and Block Copolymer Synthesis. <i>Macromolecules</i> , 2018, 51, 2533-2541.	2.2	42
14	Perfluoropentaphenylborole: A New Approach to Lewis Acidic, Electron-Deficient Compounds. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2835-2837.	7.2	41
15	Post-polymerization modification and organocatalysis using reactive statistical poly(ionic) Tj ETQq1 1 0.784314 rgBTj/Overlock 10 Tf 50	1.8	39
16	Organic Lewis Pairs Based on Phosphine and Electrophilic Silane for the Direct and Controlled Polymerization of Methyl Methacrylate: Experimental and Theoretical Investigations. <i>Macromolecules</i> , 2017, 50, 762-774.	2.2	39
17	Cyclodimerization versus Polymerization of Methyl Methacrylate Induced by <i>N</i> -Heterocyclic Carbenes: A Combined Experimental and Theoretical Study. <i>Chemistry - A European Journal</i> , 2014, 20, 3989-3997.	1.7	37
18	One-Pot Synthesis and PEGylation of Hyperbranched Polyacetals with a Degree of Branching of 100%. <i>Macromolecules</i> , 2014, 47, 1532-1542.	2.2	34

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19	Expanding the scope of N-heterocyclic carbene-organocatalyzed ring-opening polymerization of N-tosyl aziridines using functional and non-activated amine initiators. <i>European Polymer Journal</i> , 2017, 95, 746-755.	2.6	34
20	Cyclic C-Amino Phosphorus Ylides as a Source of Bidentate Heteroditopic Ligands (Phosphine/Aminocarbene) for Transition Metals. <i>Journal of the American Chemical Society</i> , 2006, 128, 14810-14811.	6.6	33
21	C–C couplings in water by micellar catalysis at low loadings from a recyclable polymer-supported Pd(II)-NHC nanocatalyst. <i>Polymer Chemistry</i> , 2019, 10, 460-466.	1.9	33
22	Rearrangement of Biaryl Monoaminocarbenes via Concerted Asynchronous Insertion into Aromatic C–H Bonds. <i>Organic Letters</i> , 2008, 10, 4299-4302.	2.4	31
23	Tris(2,4,6-trimethoxyphenyl)phosphine (TTMPP) as Potent Organocatalyst for Group Transfer Polymerization of Alkyl (Meth)acrylates. <i>Macromolecules</i> , 2012, 45, 7711-7718.	2.2	30
24	Imidazolium-Based Poly(Ionic Liquid)s Featuring Acetate Counter Anions: Thermally Latent and Recyclable Precursors of Polymer-Supported N-Heterocyclic Carbenes for Organocatalysis. <i>Macromolecular Rapid Communications</i> , 2016, 37, 1143-1149.	2.0	30
25	Palladium–Oxygen and Palladium–Arene Interactions in Complexes Derived from Biaryl Aminocarbenes: Comparison with Biaryl Phosphanes. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2271-2274.	7.2	28
26	Azolium hydrogen carbonates and azolium carboxylates as organic pre-catalysts for N-heterocyclic carbene-catalysed group transfer and ring-opening polymerisations. <i>Polymer Chemistry</i> , 2013, 4, 1995.	1.9	26
27	From the N-Heterocyclic Carbene-Catalyzed Conjugate Addition of Alcohols to the Controlled Polymerization of (Meth)acrylates. <i>Chemistry - A European Journal</i> , 2015, 21, 9447-9453.	1.7	23
28	Pd(II)-NHC coordination-driven formation of water-soluble catalytically active single chain nanoparticles. <i>Polymer Chemistry</i> , 2018, 9, 3199-3204.	1.9	22
29	Polyaldol Synthesis by Direct Organocatalyzed Crossed Polymerization of Bis(ketones) and Bis(aldehydes). <i>Macromolecules</i> , 2014, 47, 525-533.	2.2	16
30	Transient Palladadiphosphanylcarbenes: Singlet Carbenes with an Inverse Electronic Configuration (p instead of f ²) and Unusual Transannular Metal–Carbene Interactions (C–Pd Donation and) <i>Journal of the American Chemical Society</i> , 2008, 130, 10068-10072.	6.8	10
31	An unusual norcaradiene/tropylium rearrangement from a persistent amino-phosphonio-carbene. <i>Tetrahedron Letters</i> , 2007, 48, 685-687.	0.7	12
32	Facile synthesis of reversibly crosslinked poly(ionic liquid)-type gels: Recyclable supports for organocatalysis by N-heterocyclic carbenes. <i>European Polymer Journal</i> , 2018, 107, 82-88.	2.6	11
33	Poly(arylene vinylene) Synthesis via a Precursor Step-Growth Polymerization Route Involving the Ramberg–Bäcklund Reaction as a Key Post-Chemical Modification Step. <i>Macromolecules</i> , 2018, 51, 5852-5862.	2.2	9
34	Tuning the activity and selectivity of polymerised ionic liquid-stabilised ruthenium nanoparticles through anion exchange reactions. <i>Nanoscale</i> , 2022, 14, 4635-4643.	2.8	9
35	Direct and selective access to amino-poly(phenylene vinylene)s with switchable properties by dimerizing polymerization of aminoaryl carbenes. <i>Nature Communications</i> , 2021, 12, 4093.	5.8	0