

Marc Petit

List of Publications by Year in descending order

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54
papers

2,349
citations

218677

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docs citations

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times ranked

3191
citing authors

#	ARTICLE	IF	CITATIONS
1	Helical Bisphosphinites in Asymmetric Tsuji-Trost Allylation: a Remarkable P:Pd Ratio Effect. <i>ChemCatChem</i> , 2021, 13, 4543-4548.	3.7	6
2	The five shades of oleylamine in a morphological transition of spherical cobalt nanospheres to nanorods. <i>Nanoscale</i> , 2021, 13, 11289-11297.	5.6	1
3	Implication of a Silyl Cobalt Dihydride Complex as a Useful Catalyst for the Hydrosilylation of Imines. <i>ACS Catalysis</i> , 2021, 11, 14262-14273.	11.2	22
4	Iron and cobalt catalysis: new perspectives in synthetic radical chemistry. <i>Chemical Society Reviews</i> , 2020, 49, 8501-8542.	38.1	91
5	Simpler and Cleaner Synthesis of Various Capped Cobalt Nanocrystals Applied in the Semihydrogenation of Alkynes. <i>Inorganic Chemistry</i> , 2020, 59, 13972-13978.	4.0	6
6	A HELIXOL-Derived Bisphosphinite Ligand: Synthesis and Application in Gold-Catalyzed Enynes Cycloisomerization. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2129-2137.	2.4	9
7	Role of Oleylamine Revisited: An Original Disproportionation Route to Monodispersed Cobalt and Nickel Nanocrystals. <i>Chemistry of Materials</i> , 2019, 31, 960-968.	6.7	21
8	Phosphonate-Mediated Immobilization of Rhodium/Bipyridine Hydrogenation Catalysts. <i>Chemistry - A European Journal</i> , 2018, 24, 2457-2465.	3.3	7
9	Hydroboration and Diboration of Internal Alkynes Catalyzed by a Well-Defined Low-Valent Cobalt Catalyst. <i>Synthesis</i> , 2017, 49, 3895-3904.	2.3	27
10	Niobium-Catalyzed Intramolecular Addition of O-H and N-H Bonds to Alkenes: A Tool for Hydrofunctionalization. <i>Organic Letters</i> , 2017, 19, 2062-2065.	4.6	34
11	C2-Alkylation and Alkenylation of Indoles Catalyzed by a Low-Valent Cobalt Complex in the Absence of Reductant. <i>Organic Letters</i> , 2016, 18, 2292-2295.	4.6	53
12	Regio- and Stereoselective Hydrosilylation of Unsymmetrical Alkynes Catalyzed by a Well-Defined, Low-Valent Cobalt Catalyst. <i>Organic Letters</i> , 2016, 18, 4242-4245.	4.6	66
13	A well-defined low-valent cobalt catalyst $\text{Co}(\text{PMe}_3)_4$ with dimethylzinc: a simple catalytic approach for the reductive dimerization of benzyl halides. <i>New Journal of Chemistry</i> , 2016, 40, 9912-9916.	2.8	13
14	Hcp cobalt nanocrystals with high magnetic anisotropy prepared by easy one-pot synthesis. <i>Nanoscale</i> , 2016, 8, 18640-18645.	5.6	35
15	Mild Niobium-Catalyzed [2 + 2 + 2] Cycloaddition of Sila-triynes: Easy Access to Polysubstituted Benzosilacyclobutenes. <i>Organic Letters</i> , 2015, 17, 844-847.	4.6	19
16	C-H Activation/Functionalization Catalyzed by Simple, Well-Defined Low-Valent Cobalt Complexes. <i>Journal of the American Chemical Society</i> , 2015, 137, 2448-2451.	13.7	111
17	Synthesis of 1,2-Dihydropyridines Catalyzed by Well-Defined Low-Valent Cobalt Complexes: C-H Activation Made Simple. <i>ACS Catalysis</i> , 2015, 5, 7493-7497.	11.2	60
18	Gold-Catalyzed Polymerization Based on Carbene Polycyclopropanation. <i>Macromolecules</i> , 2014, 47, 6652-6656.	4.8	18

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19	Catalytic Version of Ene Diene Cobalt-Mediated Cycloaddition and Selective Access to Unusual Bicyclic Trienes. <i>Chemistry - A European Journal</i> , 2013, 19, 5830-5835.	3.3	32
20	Hydride-Cobalt Catalyst as a Selective Tool for the Dimerisation of Arylacetylenes: Scope and Theoretical Studies. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 2584-2590.	4.3	36
21	Surface Modification Using Phosphonic Acids and Esters. <i>Chemical Reviews</i> , 2012, 112, 3777-3807.	47.7	706
22	Engineering of a phosphorylatable tag for specific protein binding on zirconium phosphonate based microarrays. <i>Journal of Biological Inorganic Chemistry</i> , 2012, 17, 399-407.	2.6	16
23	Phosphate-dependent stimulation of MGP and OPN expression in osteoblasts via the ERK1/2 pathway is modulated by calcium. <i>Bone</i> , 2011, 48, 894-902.	2.9	107
24	Chapter 13. Application of Metal Phosphonates to Biotechnologies. , 2011, , 420-437.		3
25	The role of calcium-phosphate crystals in the phosphate-dependent activation of osteoblasts. <i>Bone</i> , 2010, 46, S50.	2.9	0
26	The in vivo degradation of a ruthenium labelled polysaccharide-based hydrogel for bone tissue engineering. <i>Biomaterials</i> , 2009, 30, 1568-1577.	11.4	39
27	The role of calcium phosphate crystals in the phosphate-dependent activation of osteoblasts. <i>Bone</i> , 2009, 44, S248.	2.9	1
28	Bisphosphonate Adaptors for Specific Protein Binding on Zirconium Phosphonate-based Microarrays. <i>Bioconjugate Chemistry</i> , 2009, 20, 2270-2277.	3.6	36
29	Labeling of a self-hardening bone substitute using ruthenium tris-bipyridine complexes, for the analysis of its in vivo metabolism. <i>Comptes Rendus Chimie</i> , 2008, 11, 641-649.	0.5	3
30	Towards Zirconium Phosphonate-Based Microarrays for Probing DNA-Protein Interactions: Critical Influence of the Location of the Probe Anchoring Groups. <i>Journal of the American Chemical Society</i> , 2008, 130, 6243-6251.	13.7	83
31	Nitrogen-Based Chirality Effects in Novel Mixed Phosphorus/Nitrogen Ligands Applied to Palladium-Catalyzed Allylic Substitutions. <i>Organometallics</i> , 2008, 27, 5997-6004.	2.3	11
32	Reaction of Zoledronate with β -Tricalcium Phosphate for the Design of Potential Drug Device Combined Systems. <i>Chemistry of Materials</i> , 2008, 20, 182-191.	6.7	48
33	Calcium is required for phosphate-dependent stimulation of MGP and OPN expression in osteoblasts. <i>Bone</i> , 2008, 42, S24.	2.9	1
34	Poly(dG) Spacers Lead to Increased Surface Coverage of DNA Probes: An XPS Study of Oligonucleotide Binding to Zirconium Phosphonate Modified Surfaces. <i>Langmuir</i> , 2008, 24, 7394-7399.	3.5	22
35	Synthesis of 4:5-Benzo-1-cobalta-2-silacyclopentenes and their Reactions with Alkynes and Alkenes: An Expedient Route to Silicon-Containing Polycyclic Frameworks. <i>Organometallics</i> , 2007, 26, 819-830.	2.3	55
36	XPS investigation of DNA binding to zirconium-phosphonate surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 58, 34-38.	5.0	14

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37	Regioselective preparation of tetrasubstituted alkenes from ketones using Krief methodology as a key step for a straightforward synthesis of dienynes. <i>Arkivoc</i> , 2007, 2007, 278-291.	0.5	0
38	Looking forward: a glance into the future of organic chemistry. <i>New Journal of Chemistry</i> , 2006, 30, 823-831.	2.8	11
39	Novel phosphate-phosphonate hybrid nanomaterials applied to biology. <i>Progress in Solid State Chemistry</i> , 2006, 34, 257-266.	7.2	25
40	Diastereoselective approach to 11-aryl steroid skeletons through a cobalt(I)-mediated [2+2+2] cyclization of allenediynes. <i>Tetrahedron</i> , 2006, 62, 10582-10593.	1.9	31
41	From an Acyclic, Polyunsaturated Precursor to the Polycyclic Taxane Ring System: The [4+2]/[2+2+2] and [2+2+2]/[4+2] Cyclization Strategies. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1413-1421.	2.4	34
42	Hybrid materials applied to biotechnologies: coating of calcium phosphates for the design of implants active against bone resorption disorders. <i>Journal of Materials Chemistry</i> , 2005, 15, 3869.	6.7	41
43	Relaying Asymmetry of Transient Atropisomers of o-Iodoanilides by Radical Cyclizations. <i>Journal of the American Chemical Society</i> , 2005, 127, 14994-14995.	13.7	90
44	Totally Chemo- and Regioselective Cobalt(I)-Mediated Formal Intermolecular Cyclotrimerization of Alkynes. <i>ChemInform</i> , 2004, 35, no.	0.0	0
45	Asymmetric Reactions of Axially Chiral Amides: Use of Removable ortho-Substituents in Radical Cyclizations of o-Iodoacrylanilides and N-Allyl-N-o-iodoacrylamides. <i>ChemInform</i> , 2004, 35, no.	0.0	0
46	Asymmetric Reactions of Axially Chiral Amides: Use of Removable ortho-Substituents in Radical Cyclizations of o-Iodoacrylanilides and N-Allyl-N-o-iodoacrylamides. <i>ChemInform</i> , 2004, 35, no.	0.0	0
47	Asymmetric reactions of axially chiral amides: use of removable ortho-substituents in radical cyclizations of o-iodoacrylanilides and N-allyl-N-o-iodoacrylamides. <i>Tetrahedron</i> , 2004, 60, 7543-7552.	1.9	53
48	Totally Chemo- and Regioselective Cobalt(I)-Mediated Formal Intermolecular Cyclotrimerization of Alkynes. <i>Organic Letters</i> , 2004, 6, 1519-1521.	4.6	62
49	Cobalt(I)-Mediated [2 + 2 + 2] Cyclization of Allenediynes toward a Diastereoselective Approach to 11-Aryl Steroid Skeletons. <i>Organic Letters</i> , 2004, 6, 3937-3940.	4.6	48
50	New and Efficient Procedure for the Preparation of Unsymmetrical Silaketals. <i>ChemInform</i> , 2003, 34, no.	0.0	0
51	New and Efficient Procedure for the Preparation of Unsymmetrical Silaketals. <i>Organic Letters</i> , 2003, 5, 2037-2040.	4.6	39
52	New Efficient Construction of the ABC Core of the Taxoids via a Sequence of Consecutive Cobalt(I)-Mediated [2 + 2 + 2] and [4 + 2] Cyclizations. <i>Organic Letters</i> , 2002, 4, 1027-1029.	4.6	41
53	Cobalt-mediated cyclotrimerization and cycloisomerization reactions. Synthetic applications. <i>Pure and Applied Chemistry</i> , 1999, 71, 1463-1470.	1.9	33
54	Synthetic Usefulness of the Cobalt(I)-Mediated Ene Type Reaction for the Diastereoselective Construction of Bicyclo[n.3.0]derivatives. <i>Synlett</i> , 1997, 1997, 931-932.	1.8	24