

Francesco Recupero

List of Publications by Year in descending order

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52
papers

2,837
citations

186265
28
h-index

214800
47
g-index

65
all docs

65
docs citations

65
times ranked

2323
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective catalytic aerobic oxidation of substituted ethylbenzenes under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2012, 355, 155-160.	4.8	31
2	Hydroperoxidation of Tertiary Alkylaromatics Catalyzed By <i>N</i> -Hydroxyphthalimide and Aldehydes under Mild Conditions. <i>Advanced Synthesis and Catalysis</i> , 2011, 353, 147-154.	4.3	55
3	TiO ₂ in Organic Photosynthesis: Sunlight Induced Functionalization of Heterocyclic Bases. <i>Current Organic Chemistry</i> , 2010, 14, 1153-1169.	1.6	34
4	Reactivity of benzyl radicals: The trapping of primary, secondary and tertiary benzyl radicals with heterocyclic bases. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 214, 112-114.	3.9	4
5	Binding Energies and ¹⁹ F Nuclear Magnetic Deshielding in Paramagnetic Halogen-Bonded Complexes of TEMPO with Haloperfluorocarbons. <i>Journal of Physical Chemistry A</i> , 2008, 112, 9911-9918.	2.5	46
6	Sunlight-induced functionalisation reactions of heteroaromatic bases with aldehydes in the presence of TiO ₂ : A hypothesis on the mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 189, 322-328.	3.9	26
7	Free Radical Functionalization of Organic Compounds Catalyzed by <i>N</i> -Hydroxyphthalimide. <i>Chemical Reviews</i> , 2007, 107, 3800-3842.	47.7	592
8	A green approach to the amidation of heterocyclic bases: the use of sunlight and air. <i>Research on Chemical Intermediates</i> , 2007, 33, 311-317.	2.7	17
9	Molecule-induced homolysis of <i>N</i> -hydroxyphthalimide (NHPI) by peracids and dioxirane. A new, simple, selective aerobic radical epoxidation of alkenes. <i>Tetrahedron Letters</i> , 2006, 47, 1421-1424.	1.4	47
10	Noncovalent paramagnetic complexes: detection of halogen bonding in solution by ESR spectroscopy. <i>Tetrahedron Letters</i> , 2006, 47, 3265-3269.	1.4	63
11	Mechanisms of the aerobic oxidations catalyzed by <i>N</i> -hydroxyderivatives. <i>Journal of Molecular Catalysis A</i> , 2006, 251, 129-149.	4.8	71
12	Sunlight-induced reactions of some heterocyclic bases with ethers in the presence of TiO ₂ . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 171, 237-242.	3.9	48
13	Synthesis and Characterization of Some Aza[5]helicenes. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 1247-1257.	2.4	79
14	New, Simple and Selective Synthesis of Perfluoroalkylquinones by Perfluoroalkyl Radicals - Enthalpic and Polar Effects. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4434-4440.	2.4	12
15	New Selective Metal-Free Oxidations of Primary Alcohols by HNO ₃ or HNO ₃ and O ₂ , Catalyzed by Br ₂ . <i>ChemInform</i> , 2005, 36, no.	0.0	0
16	New Selective Metal-Free Oxidations of Primary Alcohols by HNO ₃ or HNO ₃ and O ₂ , Catalyzed by Br ₂ . <i>Synlett</i> , 2004, 2004, 2203-2205.	1.8	26
17	A New, Convenient, Highly Selective Free-Radical Hydroxymethylation of Heteroaromatic Bases by Persulfate Oxidation of Ethylene Glycol and Glycerol, Catalysed by AgNO ₃ . <i>Synlett</i> , 2004, 2004, 0874-0876.	1.8	26
18	Solvent and Temperature Effects in the Free Radical Aerobic Oxidation of Alkyl and Acyl Aromatics Catalysed by Transition Metal Salts and <i>N</i> -Hydroxyphthalimide: A New Processes for the Synthesis of <i>p</i> -Hydroxybenzoic Acid, Diphenols, and Dienes for Liquid Crystals and Cross-Linked Polymers. <i>Organic Process Research and Development</i> , 2004, 8, 163-168.	2.7	61

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19	Mechanisms of the Aerobic Oxidation of Alcohols to Aldehydes and Ketones, Catalysed under Mild Conditions by Persistent and Non-Persistent Nitroxyl Radicals and Transition Metal Salts: Polar, Enthalpic, and Captodative Effects. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 109-119.	2.4	138
20	A Convenient Nitroxyl Radical Catalyst for the Selective Oxidation of Primary and Secondary Alcohols to Aldehydes and Ketones by O ₂ and H ₂ O ₂ under Mild Conditions.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
21	Enthalpic and Polar Effects in the Reactions of Perfluoroalkyl Radicals. <i>New Selective Synthetic Developments with Alkenes and Heteroaromatic Bases.. ChemInform</i> , 2004, 35, no.	0.0	0
22	New free-radical halogenations of alkanes, catalysed by N-hydroxyphthalimide. Polar and enthalpic effects on the chemo- and regioselectivity. <i>Tetrahedron Letters</i> , 2004, 45, 1607-1609.	1.4	24
23	Enthalpic and polar effects in the reactions of perfluoroalkyl radicals. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 205-211.	1.7	25
24	Hydroxylamines as Oxidation Catalysts: A Thermochemical and Kinetic Studies. <i>Journal of Organic Chemistry</i> , 2003, 68, 1747-1754.	3.2	238
25	Sunlight induced functionalisation of some heterocyclic bases in the presence of polycrystalline TiO ₂ . <i>Chemical Communications</i> , 2003, , 2350.	4.1	70
26	Polar effects in free-radical reactions. A novel homolytic acylation of heteroaromatic bases by aerobic oxidation of aldehydes, catalysed by N-hydroxyphthalimide and Co salts. <i>Journal of Heterocyclic Chemistry</i> , 2003, 40, 325-328.	2.6	35
27	A Novel, Selective Free-Radical Carbamoylation of Heteroaromatic Bases by Ce(IV) Oxidation of Formamide, Catalyzed by N-Hydroxyphthalimide.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
28	Polar Effects in Free-Radical Reactions. A Novel Homolytic Acylation of Heteroaromatic Bases by Aerobic Oxidation of Aldehydes, Catalyzed by N-Hydroxyphthalimide and Co Salts.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
29	Selective Functionalization of Hydrocarbons by Nitric Acid and Aerobic Oxidation Catalyzed by N-Hydroxyphthalimide and Iodine under Mild Conditions.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
30	Selective functionalisation of hydrocarbons by nitric acid and aerobic oxidation catalysed by N-hydroxyphthalimide and iodine under mild conditions. <i>Tetrahedron Letters</i> , 2003, 44, 6919-6922.	1.4	42
31	Transition metal salts catalysis in the aerobic oxidation of organic compounds Thermochemical and kinetic aspects and new synthetic developments in the presence of N-hydroxy-derivative catalysts. <i>Journal of Molecular Catalysis A</i> , 2003, 204-205, 63-90.	4.8	93
32	A Convenient Nitroxyl Radical Catalyst for the Selective Oxidation of Primary and Secondary Alcohols to Aldehydes and Ketones by O ₂ and H ₂ O ₂ under Mild Conditions. <i>Organic Process Research and Development</i> , 2003, 7, 794-798.	2.7	36
33	Highly Selective and Efficient Conversion of Alkyl Aryl and Alkyl Cyclopropyl Ketones to Aromatic and Cyclopropane Carboxylic Acids by Aerobic Catalytic Oxidation: A Free-radical Redox Chain Mechanism.. <i>Synlett</i> , 2002, 2002, 0610-0612.	1.8	21
34	A New, Highly Selective, Free-Radical Aerobic Oxidation of Silanes to Silanols Catalysed by N-Hydroxyphthalimide under Mild Conditions.. <i>Synlett</i> , 2002, 2002, 1173-1175.	1.8	16
35	Approaches to the Azahelicene System: Synthesis and Spectroscopic Characterization of Some Diazapentahelicenes. <i>Helvetica Chimica Acta</i> , 2002, 85, 1-8.	1.6	41
36	Perfluorocarbon hydrocarbon self-assembly. <i>Journal of Fluorine Chemistry</i> , 2002, 114, 27-33.	1.7	143

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37	A new selective free radical synthesis of aromatic aldehydes by aerobic oxidation of tertiary benzylamines catalysed by N-hydroxyimides and Co(II) under mild conditions. Polar and enthalpic effects. <i>Tetrahedron Letters</i> , 2002, 43, 3605-3607.	1.4	41
38	A novel, selective free-radical carbamoylation of heteroaromatic bases by Ce(IV) oxidation of formamide, catalysed by N-hydroxyphthalimide. <i>Chemical Communications</i> , 2002, , 2496-2497.	4.1	45
39	Aerobic Oxidation of N-Alkylamides Catalyzed by N-Hydroxyphthalimide under Mild Conditions. Polar and Enthalpic Effects. <i>Journal of Organic Chemistry</i> , 2002, 67, 2671-2676.	3.2	100
40	A new, highly selective synthesis of aromatic aldehydes by aerobic free-radical oxidation of benzylic alcohols, catalysed by n-hydroxyphthalimide under mild conditions. Polar and enthalpic effects. <i>Chemical Communications</i> , 2002, , 688-689.	4.1	99
41	Efficient Mn ^{II} -Cu and Mn ^{II} -Co ^{II} -TEMPO-catalysed oxidation of alcohols into aldehydes and ketones by oxygen under mild conditions. <i>Tetrahedron Letters</i> , 2001, 42, 6651-6653.	1.4	171
42	Polar Effects in Free-Radical Reactions. The Paradox of Reduction of Alkyl Iodides and Reductive Alkylation of Alkenes by Strong Oxidants (t-BuOOH, Pb(OAc) ₄). <i>Journal of the American Chemical Society</i> , 1999, 121, 7760-7765.	13.7	13
43	Diverging Effects of Steric Congestion on the Reaction of Tributylstannyl Radicals with Areneselenols and Aryl Bromides and Their Mechanistic Implications. <i>Journal of Organic Chemistry</i> , 1999, 64, 2877-2882.	3.2	24
44	Steric acceleration in the reaction of aryl bromides with tributylstannyl radicals. <i>Chemical Communications</i> , 1998, , 189-190.	4.1	2
45	Enhanced nucleophilic character of the 1-adamantyl radical in chlorine atom abstraction and in addition to electron-poor alkenes and to protonated heteroaromatic bases. Absolute rate constants and relationship with the Gif reaction. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1997, , 2399-2406.	0.9	30
46	New free-radical chain processes involving substitution of vinyl and aryl chlorides by alkanes, alkenes, esters and ethers. <i>Tetrahedron Letters</i> , 1996, 37, 6897-6900.	1.4	11
47	Alternating addition of carbon-centered radicals to unsaturated systems. Novel homolytic aromatic substitutions. <i>Tetrahedron Letters</i> , 1996, 37, 7425-7428.	1.4	3
48	Free-Radical Mechanisms in the Oxidation and Halogenation of Alkanes, Alkenes and Alkylbenzenes by t-BuOOH under Gif-Barton Catalysis. <i>Synlett</i> , 1996, 1996, 119-125.	1.8	36
49	Redox catalysis in free-radical reactions: New, simple, convenient intramolecular homolytic aromatic substitutions. <i>Tetrahedron Letters</i> , 1995, 36, 4307-4310.	1.4	32
50	Hydroperoxides as pseudohalides: oxidation, oxidative alkylation, acylation and arylation of acrylonitrile. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, , 1399.	2.0	10
51	New free-radical syntheses under Gif-Barton oxidation conditions. <i>Tetrahedron Letters</i> , 1994, 35, 3759-3762.	1.4	21
52	New syntheses of mixed peroxides under Gif-Barton oxidation of alkylbenzenes, conjugated alkenes and alkanes; a free-radical mechanism. <i>Journal of the Chemical Society Chemical Communications</i> , 1994, , 1823-1824.	2.0	31