

# Carlo Punta

## List of Publications by Year in descending order

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113  
papers

4,427  
citations

101384

36  
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123241

61  
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145  
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145  
docs citations

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times ranked

4235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Free Radical Functionalization of Organic Compounds Catalyzed by <i>N</i> -Hydroxyphthalimide. <i>Chemical Reviews</i> , 2007, 107, 3800-3842.	23.0	592
2	Titanium Oxide Antibacterial Surfaces in Biomedical Devices. <i>International Journal of Artificial Organs</i> , 2011, 34, 929-946.	0.7	219
3	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.	1.2	138
4	Metal-free aerobic oxidations mediated by <i>N</i> -hydroxyphthalimide. A concise review. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1296-1310.	1.3	138
5	TEMPO-mediated oxidation of polysaccharides: An ongoing story. <i>Carbohydrate Polymers</i> , 2017, 165, 71-85.	5.1	122
6	Aerobic Oxidation of <i>N</i> -Alkylamides Catalyzed by <i>N</i> -Hydroxyphthalimide under Mild Conditions. Polar and Enthalpic Effects. <i>Journal of Organic Chemistry</i> , 2002, 67, 2671-2676.	1.7	100
7	A new, highly selective synthesis of aromatic aldehydes by aerobic free-radical oxidation of benzylic alcohols, catalysed by <i>n</i> -hydroxyphthalimide under mild conditions. Polar and enthalpic effects. <i>Chemical Communications</i> , 2002, , 688-689.	2.2	99
8	Effect of UV Irradiation and TiO <sub>2</sub> -Photocatalysis on Airborne Bacteria and Viruses: An Overview. <i>Materials</i> , 2021, 14, 1075.	1.3	81
9	TEMPO-Oxidized Cellulose Cross-Linked with Branched Polyethyleneimine: Nanostructured Adsorbent Sponges for Water Remediation. <i>ChemPlusChem</i> , 2015, 80, 1408-1415.	1.3	80
10	Silver Nanoparticles for Water Pollution Monitoring and Treatments: Ecosafety Challenge and Cellulose-Based Hybrids Solution. <i>Polymers</i> , 2020, 12, 1635.	2.0	77
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 functionalisation of some heterocyclic bases in the presence of polycrystalline TiO <sub>2</sub> . <i>Chemical Communications</i> , 2003, , 2350.	2.2	70
13	Peroxy Radical Clocks. <i>Journal of Organic Chemistry</i> , 2006, 71, 3527-3532.	1.7	69
14	Noncovalent paramagnetic complexes: detection of halogen bonding in solution by ESR spectroscopy. <i>Tetrahedron Letters</i> , 2006, 47, 3265-3269.	0.7	63
15	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.	1.3	61
16	Ceramic aerogels from TEMPO-oxidized cellulose nanofibre templates: Synthesis, characterization, and photocatalytic properties. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2013, 261, 53-60.	2.0	61
17	Anomalous diffusion of Ibuprofen in cyclodextrin nanosponge hydrogels: an HRMAS NMR study. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2715-2723.	1.3	59
18	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.	2.1	55

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19	Is it possible to implement N- <i>N</i> -hydroxyphthalimide homogeneous catalysis for industrial applications? A case study of cumene aerobic oxidation. <i>Journal of Chemical Technology and Biotechnology</i> , 2014, 89, 1370-1378.	1.6	50
20	New Advances in Titanium-Mediated Free Radical Reactions. <i>Molecules</i> , 2012, 17, 14700-14732.	1.7	49
21	Sunlight-induced reactions of some heterocyclic bases with ethers in the presence of TiO <sub>2</sub> . <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 171, 237-242.	2.0	48
22	Molecule-induced homolysis of N-hydroxyphthalimide (NHPI) by peracids and dioxirane. A new, simple, selective aerobic radical epoxidation of alkenes. <i>Tetrahedron Letters</i> , 2006, 47, 1421-1424.	0.7	47
23	Tuning structural parameters for the optimization of drug delivery performance of cyclodextrin-based nanosponges. <i>Expert Opinion on Drug Delivery</i> , 2017, 14, 331-340.	2.4	46
24	Eco-design of nanostructured cellulose sponges for sea-water decontamination from heavy metal ions. <i>Journal of Cleaner Production</i> , 2020, 246, 119009.	4.6	46
25	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.	2.2	45
26	Peroxidation of Polyunsaturated Fatty Acid Methyl Esters Catalyzed by N-Methyl Benzohydroxamic Acid: A New and Convenient Method for Selective Synthesis of Hydroperoxides and Alcohols. <i>Chemical Research in Toxicology</i> , 2005, 18, 349-356.	1.7	45
27	Surface-Functionalization of Nanostructured Cellulose Aerogels by Solid State Eumelanin Coating. <i>Biomacromolecules</i> , 2016, 17, 564-571.	2.6	45
28	Mechanical and Drug Release Properties of Sponges from Cross-Linked Cellulose Nanofibers. <i>ChemPlusChem</i> , 2017, 82, 848-858.	1.3	45
29	Synthesis and Application of Cellulose-Polyethyleneimine Composites and Nanocomposites: A Concise Review. <i>Materials</i> , 2021, 14, 473.	1.3	45
30	Environmentally Sustainable and Ecosafe Polysaccharide-Based Materials for Water Nano-Treatment: An Eco-Design Study. <i>Materials</i> , 2018, 11, 1228.	1.3	43
31	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.	0.7	42
32	Free-Radical Version of the Strecker Synthesis of $\alpha$ -Aminoamides Promoted by Aqueous H <sub>2</sub> O <sub>2</sub> /TiCl <sub>3</sub> /HCONH <sub>2</sub> System. <i>Journal of the American Chemical Society</i> , 2006, 128, 5358-5359.	6.6	42
33	Life cycle assessment of emerging environmental technologies in the early stage of development: A case study on nanostructured materials. <i>Journal of Industrial Ecology</i> , 2020, 24, 101-115.	2.8	42
34	Aerobic Oxidation of Alkylaromatics using a Lipophilic N- <i>N</i> -Hydroxyphthalimide: Overcoming the Industrial Limit of Catalyst Solubility. <i>ChemSusChem</i> , 2014, 7, 2695-2703.	3.6	39
35	TEMPO-Nanocellulose/Ca <sup>2+</sup> Hydrogels: Ibuprofen Drug Diffusion and In Vitro Cytocompatibility. <i>Materials</i> , 2020, 13, 183.	1.3	37
36	A New One-Pot, Four-Component Synthesis of 1,2-Amino Alcohols: TiCl <sub>3</sub> -BuOOH-Mediated Radical Hydroxymethylation of Imines. <i>Organic Letters</i> , 2008, 10, 5063-5066.	2.4	36

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37	Connection between the vibrational dynamics and the cross-linking properties in cyclodextrins-based polymers. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1457-1462.	1.2	36
38	Polar effects in free-radical reactions. A novel homolytic acylation of heteroaromatic bases by aerobic oxidation of aldehydes, catalysed by <i>N</i> -hydroxyphthalimide and Co salts. <i>Journal of Heterocyclic Chemistry</i> , 2003, 40, 325-328.	1.4	35
39	Key Role of Ti(IV) in the Selective Radical-Radical Cross-Coupling Mediated by the Ingold-Fischer Effect. <i>Journal of the American Chemical Society</i> , 2008, 130, 18018-18024.	6.6	34
40	Recent Developments in Nucleophilic Radical Addition to Imines: the Key Role of Transition Metals and the New Porta Radical-Type Version of the Mannich and Strecker Reactions. <i>Mini-Reviews in Organic Chemistry</i> , 2009, 6, 184-195.	0.6	34
41	TiO <sub>2</sub> in Organic Photosynthesis: Sunlight Induced Functionalization of Heterocyclic Bases. <i>Current Organic Chemistry</i> , 2010, 14, 1153-1169.	0.9	34
42	Sunlight Induced Oxidative Photoactivation of <i>N</i> -Hydroxyphthalimide Mediated by Naphthalene Imides. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 3210-3220.	2.1	34
43	Organocatalyzed Epoxidation of Alkenes in Continuous Flow using a Multi-Jet Oscillating Disk Reactor. <i>ChemSusChem</i> , 2012, 5, 261-265.	3.6	31
44	Selective catalytic aerobic oxidation of substituted ethylbenzenes under mild conditions. <i>Journal of Molecular Catalysis A</i> , 2012, 355, 155-160.	4.8	31
45	Lipophilic <i>N</i> -Hydroxyphthalimide Catalysts for the Aerobic Oxidation of Cumene: Towards Solvent-Free Conditions and Back. <i>Chemistry - A European Journal</i> , 2017, 23, 10616-10625.	1.7	30
46	Solvent-Free Aerobic Oxidation of Ethylbenzene Promoted by NHPI/Co(II) Catalytic System: The Key Role of Ionic Liquids. <i>ChemCatChem</i> , 2020, 12, 259-266.	1.8	30
47	Direct evidence of gel-sol transition in cyclodextrin-based hydrogels as revealed by FTIR-ATR spectroscopy. <i>Soft Matter</i> , 2014, 10, 2320-2326.	1.2	29
48	Synthesis and characterization of a hyper-branched water-soluble $\beta^2$ -cyclodextrin polymer. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2586-2593.	1.3	28
49	Effect-Based Approach to Assess Nanostructured Cellulose Sponge Removal Efficacy of Zinc Ions from Seawater to Prevent Ecological Risks. <i>Nanomaterials</i> , 2020, 10, 1283.	1.9	28
50	Nanostructured Cellulose-Based Sorbent Materials for Water Decontamination from Organic Dyes. <i>Nanomaterials</i> , 2020, 10, 1570.	1.9	28
51	Free-Radical Addition to Ketimines Generated In Situ. New One-Pot Synthesis of Quaternary $\beta^2$ -Aminoamides Promoted by a $H_2O_2/TiCl_4/Zn/HCONH_2$ System. <i>Organic Letters</i> , 2010, 12, 3898-3901.	2.4	27
52	Water and polymer dynamics in a model polysaccharide hydrogel: the role of hydrophobic/hydrophilic balance. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 963-971.	1.3	27
53	New Selective Metal-Free Oxidations of Primary Alcohols by HNO <sub>3</sub> and O <sub>2</sub> , Catalyzed by Br <sub>2</sub> . <i>Synlett</i> , 2004, 2004, 2203-2205.	1.0	26
54	A New, Convenient, Highly Selective Free-Radical Hydroxymethylation of Heteroaromatic Bases by Persulfate Oxidation of Ethylene Glycol and Glycerol, Catalysed by AgNO <sub>3</sub> . <i>Synlett</i> , 2004, 2004, 0874-0876.	1.0	26

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55	Sunlight-induced functionalisation reactions of heteroaromatic bases with aldehydes in the presence of TiO <sub>2</sub> : A hypothesis on the mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2007, 189, 322-328.	2.0	26
56	Cross-linked cellulose nano-sponges: a small angle neutron scattering (SANS) study. <i>Cellulose</i> , 2019, 26, 9005-9019.	2.4	26
57	Enthalpic and polar effects in the reactions of perfluoroalkyl radicals. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 205-211.	0.9	25
58	Comparative Life Cycle Assessment of Cellulose Nanofibres Production Routes from Virgin and Recycled Raw Materials. <i>Molecules</i> , 2021, 26, 2558.	1.7	25
59	An aerogel obtained from chemo-enzymatically oxidized fenugreek galactomannans as a versatile delivery system. <i>Carbohydrate Polymers</i> , 2016, 144, 353-361.	5.1	24
60	Hydrogen-bond dynamics of water confined in cyclodextrin nanosponges hydrogel. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2014, 80, 69-75.	0.9	23
61	2D Correlation Spectroscopy (2DCoS) Analysis of Temperature-Dependent FTIR-ATR Spectra in Branched Polyethyleneimine/TEMPO-Oxidized Cellulose Nano-Fiber Xerogels. <i>Polymers</i> , 2021, 13, 528.	2.0	23
62	The Era of Nanomaterials: A Safe Solution or a Risk for Marine Environmental Pollution?. <i>Biomolecules</i> , 2021, 11, 441.	1.8	23
63	Cellulose for the Production of Air-Filtering Systems: A Critical Review. <i>Materials</i> , 2022, 15, 976.	1.3	23
64	Dip in colorimetric fluoride sensing by a chemically engineered polymeric cellulose/bPEI conjugate in the solid state. <i>RSC Advances</i> , 2015, 5, 83197-83205.	1.7	21
65	FTIR-ATR analysis of the H-bond network of water in branched polyethyleneimine/TEMPO-oxidized cellulose nano-fiber xerogels. <i>Cellulose</i> , 2020, 27, 8605-8618.	2.4	21
66	Suitability of a Cellulose-Based Nanomaterial for the Remediation of Heavy Metal Contaminated Freshwaters: A Case-Study Showing the Recovery of Cadmium Induced DNA Integrity Loss, Cell Proliferation Increase, Nuclear Morphology and Chromosomal Alterations on <i>Dreissena polymorpha</i> . <i>Nanomaterials</i> , 2020, 10, 1837.	1.9	20
67	Effective magnetic moment in cyclodextrinâ€polynitroxides: potential supramolecular vectors for magnetic resonance imaging. <i>RSC Advances</i> , 2015, 5, 76133-76140.	1.7	19
68	Dynamics and interactions of ibuprofen in cyclodextrin nanosponges by solid-state NMR spectroscopy. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 182-194.	1.3	19
69	Nakedâ€Eye Heterogeneous Sensing of Fluoride Ions by Coâ€Polymeric Nanosponge Systems Comprising Aromaticâ€amideâ€Functionalized Nanocellulose and Branched Polyethyleneimine. <i>ChemPlusChem</i> , 2019, 84, 1512-1518.	1.3	19
70	Toward an understanding of the thermosensitive behaviour of pH-responsive hydrogels based on cyclodextrins. <i>Soft Matter</i> , 2015, 11, 5862-5871.	1.2	18
71	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.	1.3	17
72	Glass-like dynamics of new cross-linked polymeric systems: Behavior of the Boson peak. <i>Journal of Non-Crystalline Solids</i> , 2014, 401, 73-77.	1.5	17

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73	A New, Highly Selective, Free-Radical Aerobic Oxidation of Silanes to Silanols Catalysed by N-Hydroxyphthalimide under Mild Conditions.. Synlett, 2002, 2002, 1173-1175.	1.0	16
74	Combining Raman and infrared spectroscopy as a powerful tool for the structural elucidation of cyclodextrin-based polymeric hydrogels. Physical Chemistry Chemical Physics, 2015, 17, 10274-10282.	1.3	16
75	Influence of cellulose nanofibrils on the rheology, microstructure and strength of alkali activated ground granulated blast-furnace slag: a comparison with ordinary Portland cement. Materials and Structures/Materiaux Et Constructions, 2021, 54, 1.	1.3	16
76	Zinc- and Copper-Loaded Nanosponges from Cellulose Nanofibers Hydrogels: New Heterogeneous Catalysts for the Synthesis of Aromatic Acetals. Gels, 2022, 8, 54.	2.1	16
77	Gel-sol evolution of cyclodextrin-based nanosponges: role of the macrocycle size. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2014, 80, 77-83.	0.9	15
78	SANS investigation of water adsorption in tunable cyclodextrin-based polymeric hydrogels. Physical Chemistry Chemical Physics, 2017, 19, 6022-6029.	1.3	15
79	Microwave-assisted synthesis of TEMPO-labeled hydrogels traceable with MRI. Soft Matter, 2018, 14, 558-565.	1.2	15
80	Efficient radical domino approach to $\beta$ -aminoalcohols from arylamines and alcohols triggered by Ti(III)/t-BuOOH. Tetrahedron, 2010, 66, 2044-2052.	1.0	14
81	Free-radical hydroxymethylation of ketimines generated in situ: a one-pot multicomponent synthesis of $\beta$ , $\beta$ -disubstituted $\beta$ -aminoalcohols. Tetrahedron, 2012, 68, 10151-10156.	1.0	14
82	Functionalization of Cyclodextrins with N-Hydroxyphthalimide Moiety: A New Class of Supramolecular Pro-Oxidant Organocatalysts. Molecules, 2015, 20, 15881-15892.	1.7	13
83	Probing the molecular connectivity of water confined in polymer hydrogels. Journal of Chemical Physics, 2015, 142, 014901.	1.2	13
84	Correlation between collective and molecular dynamics in pH-responsive cyclodextrin-based hydrogels. Physical Chemistry Chemical Physics, 2017, 19, 22555-22563.	1.3	13
85	New, Simple and Selective Synthesis of Perfluoroalkylquinones by Perfluoroalkyl Radicals - Enthalpic and Polar Effects. European Journal of Organic Chemistry, 2005, 2005, 4434-4440.	1.2	12
86	New domino radical synthesis of aminoalcohols promoted by TiCl <sub>4</sub> -Zn/t-BuOOH system: selective hydroxyalkylation of amines in alcohol or in cyclic ether cosolvents. Organic and Biomolecular Chemistry, 2011, 9, 3759.	1.5	12
87	Selective Monoetherification of 1,4-Hydroquinone Promoted by NaNO <sub>2</sub> . Current Organic Chemistry, 2013, 17, 1108-1113.	0.9	12
88	Guest-matrix interactions affect the solvation of cyclodextrin-based polymeric hydrogels: a UV Raman scattering study. Soft Matter, 2016, 12, 8861-8868.	1.2	11
89	Co-Polymeric Nanosponges from Cellulose Biomass as Heterogeneous Catalysts for amine-catalyzed Organic Reactions. ChemCatChem, 2020, 12, 6214-6222.	1.8	11
90	O <sub>2</sub> -Mediated Photocatalytic Functionalization of Organic Compounds: Recent Advances Towards Greener Synthetic Routes. Current Organic Chemistry, 2013, 17, 2406-2419.	0.9	11

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91	Reductive Coupling of Aromatic Aldehydes Promoted by an Aqueous TiCl <sub>3</sub> /tBuOOH System in Alcoholic Cosolvents. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 4050-4055.	1.2	10
92	Understanding the topography effects on competitive adsorption on a nanosized anatase crystal: a molecular dynamics study. <i>Chemical Communications</i> , 2013, 49, 7581.	2.2	10
93	Vibrational signatures of the water behaviour upon confinement in nanoporous hydrogels. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 12252-12259.	1.3	10
94	Multicomponent versus domino reactions: One-pot free-radical synthesis of $\beta$ -amino-ethers and $\beta$ -amino-alcohols. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 66-73.	1.3	9
95	Flexible hybrid coatings with efficient antioxidation properties. <i>Food Packaging and Shelf Life</i> , 2016, 10, 106-114.	3.3	7
96	Transport Properties of Ibuprofen Encapsulated in Cyclodextrin Nanosponge Hydrogels: A Proton HR-MAS NMR Spectroscopy Study. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	7
97	Structural and molecular response in cyclodextrin-based pH-sensitive hydrogels by the joint use of Brillouin, UV Raman and Small Angle Neutron Scattering techniques. <i>Journal of Molecular Liquids</i> , 2018, 271, 738-746.	2.3	6
98	Selective Aerobic Radical Epoxidation of $\alpha$ -Olefins Catalyzed by N-Hydroxyphthalimide. , 2008, , 217-229.		5
99	Photocatalytic Minisci Reaction. , 2015, , 339-352.		5
100	Cellular Responses Induced by Zinc in Zebra Mussel Haemocytes. Loss of DNA Integrity as a Cellular Mechanism to Evaluate the Suitability of Nanocellulose-Based Materials in Nanoremediation. <i>Nanomaterials</i> , 2021, 11, 2219.	1.9	5
101	New Developments in Peroxidation of Polyunsaturated Fatty Acids. <i>Letters in Organic Chemistry</i> , 2006, 3, 91-97.	0.2	4
102	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.	2.0	4
103	N-Hydroxyphthalimide catalysts as bioactive pro-oxidants. <i>RSC Advances</i> , 2016, 6, 21749-21755.	1.7	3
104	Recent advances in photocatalytic Minisci reaction: an eco-friendly functionalization of biologically relevant heteroarenes. , 2021, , 189-206.		3
105	An Optimized Process to 10-Bromo-1-decanol. <i>Organic Process Research and Development</i> , 2010, 14, 1215-1220.	1.3	2
106	Ecosafe nanomaterials for environmental remediation. , 2020, , 383-405.		2
107	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.	0.1	0
108	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.	0.1	0

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109	Selective Functionalization of Hydrocarbons by Nitric Acid and Aerobic Oxidation Catalyzed by N-Hydroxyphthalimide and Iodine under Mild Conditions.. ChemInform, 2003, 34, no.	0.1	0
110	Sunlight Induced Functionalization of Some Heterocyclic Bases in the Presence of Polycrystalline TiO2.. ChemInform, 2004, 35, no.	0.1	0
111	Enthalpic and Polar Effects in the Reactions of Perfluoroalkyl Radicals. New Selective Synthetic Developments with Alkenes and Heteroaromatic Bases.. ChemInform, 2004, 35, no.	0.1	0
112	New Selective Metal-Free Oxidations of Primary Alcohols by HNO3 or HNO3 and O2, Catalyzed by Br2.. ChemInform, 2005, 36, no.	0.1	0
113	Ecosafe Nano-based solutions for Pollution Monitoring and Control in the Marine Environment. , 2021, , .		0