

# Pierluigi Stipa

## List of Publications by Citations

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87  
papers

846  
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22  
g-index

104  
ext. papers

1,004  
ext. citations

3.5  
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3.75  
L-index

#	Paper	IF	Citations
87	On the use of 1,3-diphenylisobenzofuran (DPBF). Reactions with carbon and oxygen centered radicals in model and natural systems. <i>Research on Chemical Intermediates</i> , <b>1993</b> , 19, 395-405	2.8	57
86	Phosphorylated five-membered ring nitroxides: synthesis and ESR study of 2-phosphonyl-4-(hydroxymethyl)pyrrolidine aminoxy radicals. <i>Journal of Organic Chemistry</i> , <b>1993</b> , 58, 4465-4468	4.2	39
85	Unexpected Deoxygenation of 2,2,6,6-Tetramethylpiperidine-1-Oxyl (TEMPO) by Thiyl Radicals through the Formation of Arylsulphinyl Radicals. <i>Tetrahedron</i> , <b>1995</b> , 51, 12445-12452	2.4	34
84	Synthesis and thermal stability of alkoxyamines. <i>Polymer Degradation and Stability</i> , <b>1997</b> , 55, 323-327	4.7	33
83	Indolinic nitroxides: evaluation of their potential as universal control agents for nitroxide mediated polymerization. <i>Polymer Chemistry</i> , <b>2013</b> , 4, 3694	4.9	28
82	Electron-transfer reactions. Oxidation of Grignard reagents in the presence of an aminoxy as a radical-trapping agent. <i>Journal of Organic Chemistry</i> , <b>1991</b> , 56, 4733-4737	4.2	27
81	A multi-step procedure for evaluating the EPR parameters of indolinic aromatic aminoxy: A combined DFT and spectroscopic study. <i>Chemical Physics</i> , <b>2006</b> , 323, 501-510	2.3	26
80	Chemical and electrochemical study on the interactions of aminoxy radicals with superoxide anion. <i>Tetrahedron</i> , <b>1996</b> , 52, 11257-11264	2.4	26
79	New insights into N-tert-butyl-phenylnitron (PBN) as a spin trap. Part 2.1 The reactivity of PBN and 5,5-dimethyl-4,5-dihydropyrrole N-oxide (DMPO) toward N-heteroaromatic bases. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1997</b> , 887-892		25
78	Imidazo[2,1-b]thiazole carbamates and acylureas as potential insect control agents. <i>Journal of Heterocyclic Chemistry</i> , <b>1989</b> , 26, 525-529	1.9	23
77	Beta-phosphorylated five membered ring nitroxides. Synthesis and EPR study. <i>Free Radical Research Communications</i> , <b>1993</b> , 19 Suppl 1, S23-32		20
76	Homolytic substitution in indolinone nitroxides- IV. Reactions with aminyl radicals. A spectroscopic and crystallographic study. <i>Tetrahedron</i> , <b>1987</b> , 43, 3031-3040	2.4	20
75	Radical cations. Part 2. Oxidative dimerization of indolizines: a chemical and electrochemical investigation. <i>Journal of the Chemical Society Perkin Transactions 1</i> , <b>1988</b> , 3067		20
74	Reactivity of an indolinic aminoxy radical with superoxide anion and hydroxyl radicals. <i>Free Radical Research</i> , <b>1999</b> , 31, 113-21	4	19
73	Monoalkylated Epigallocatechin-3-gallate (C18-EGCG) as Novel Lipophilic EGCG Derivative: Characterization and Antioxidant Evaluation. <i>Antioxidants</i> , <b>2020</b> , 9,	7.1	16
72	Hydroxyl radical from the reaction between hypochlorite and hydrogen peroxide. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 6551-6554	5.3	15
71	Regio- and Diastereoselectivity in 1,3-Dipolar Cycloaddition Reactions of 2-Phenylisatogen and Its 3-Phenylimino Derivative with Electron-Deficient Alkenes. <i>European Journal of Organic Chemistry</i> , <b>2003</b> , 2003, 2626-2634	3.2	15

70	Reactivity of Sulfur-Centered Radicals with Indolinonic and Quinolinic Aminoxyls. <i>European Journal of Organic Chemistry</i> , <b>1999</b> , 1999, 2405-2412	3.2	14
69	The reactivity of aminoxyls towards peroxy radicals: an ab initio thermochemical study. <i>Perkin Transactions II RSC</i> , <b>2001</b> , 1793-1797		13
68	Experimental investigation on the durability of a novel lightweight prefabricated reinforced-EPS based construction system. <i>Construction and Building Materials</i> , <b>2020</b> , 252, 119134	6.7	12
67	Synthesis, Characterization and Antioxidant Properties of a New Lipophilic Derivative of Edaravone. <i>Antioxidants</i> , <b>2019</b> , 8,	7.1	12
66	Radical trapping properties of 3-aryl-2H-benzo[1,4]oxazin-4-oxides. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 8677-82	4.2	12
65	The reaction of 1,1,2,2-ethenetetracarbonitrile (TCNE) with aminopyridines: Salts and charge transfer complex formation. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , <b>1989</b> , 45, 519-523		12
64	. <i>European Journal of Organic Chemistry</i> , <b>1998</b> , 1998, 871-876	3.2	11
63	SYNTHESIS OF 3-AMINO-2-OXO-1,2-OXAPHOSPHOLANES AND 3-AMINO-2-OXO-1,2-OXAPHOSPHORINANES. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>1993</b> , 81, 17-25	1	11
62	Antioxidants and light stabilizers. Part 2. On the thermal stability of indolinonic nitroxides. <i>Polymer Degradation and Stability</i> , <b>1993</b> , 39, 215-224	4.7	11
61	Electron transfer reactions. A reinvestigation of the chlorination of 1-methyl-2-phenylindole with N-chlorobenzotriazole. The role of oxygen and oxygenated solvent. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1991</b> , 1779		11
60	Chemical and electrochemical reduction of ortho-nitroanilides. A combined chemical, polarographic and EPR study. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1991</b> , 1019		11
59	OH radical trapping with benzoxazine nitrones: a combined computational and spectroscopic study. <i>Tetrahedron</i> , <b>2013</b> , 69, 4591-4596	2.4	10
58	Aromatic secondary amines as antioxidants for polyolefins. Part 2: phenothiazines. <i>Polymer Degradation and Stability</i> , <b>1995</b> , 50, 305-312	4.7	10
57	Chemical and electrochemical synthesis of quinoneimine n-oxides from indolinone-3-arylimino nitroxide radicals. <i>Tetrahedron</i> , <b>1988</b> , 44, 1503-1510	2.4	10
56	Liponitroxides: EPR study and their efficacy as antioxidants in lipid membranes. <i>RSC Advances</i> , <b>2015</b> , 5, 98955-98966	3.7	9
55	Reactions of Nitrosoarenes with Nitrogen Monoxide (Nitric Oxide) and Nitrogen Dioxide: Formation of Diarylnitroxides. <i>European Journal of Organic Chemistry</i> , <b>2008</b> , 2008, 3279-3285	3.2	9
54	Antioxidants and light stabilizers. Part 1. Reactions of an indolinone nitroxide and phenoxy radicals. X-ray crystallographic analysis of 1-[O-(3,5-di-tert-butyl-4-hydroxy)-benzyl]-1,2-dihydro-2-methyl-2-phenyl-3-oxo-3H-indole and 3,5,3',5'-tetra-tert-butylstilbene-4,4'-quinone. <i>Polymer Degradation and Stability</i> , <b>1993</b> , 39, 73-83	4.7	9
53	Prediction of drug-carrier interactions of PLA and PLGA drug-loaded nanoparticles by molecular dynamics simulations. <i>European Polymer Journal</i> , <b>2021</b> , 147, 110292	5.2	9

- 52 Benzoxazinic nitrones and nitroxides as possible antioxidants in biological systems. *RSC Advances*, **2013**, 3, 22023 3.7 8
- 51 Competition between nucleophilic addition and electron-transfer process in the reaction of 9-diazo-10-anthrone with grignard reagents. *Tetrahedron*, **1996**, 52, 6795-6802 2.4 8
- 50 Depth Distribution of Spin-Labeled Liponitroxides within Lipid Bilayers: A Combined EPR and Molecular Dynamics Approach. *ACS Omega*, **2019**, 4, 5029-5037 3.9 7
- 49 The reactivity of manganese dioxide towards different substrates in organic solvents. *New Journal of Chemistry*, **2015**, 39, 8964-8970 3.6 7
- 48 Optical properties of traditional clay tiles for ventilated roofs and implication on roof thermal performance. *Journal of Building Physics*, **2019**, 42, 484-505 2.6 7
- 47 Amidinoquinoxaline N-oxides as novel spin traps. *RSC Advances*, **2015**, 5, 2724-2731 3.7 7
- 46 Nitrenium ions. Reactions of N,N-dimethyl-p-benzoyloxyanilineiminium chloride with indoles and indolizines. X-ray structure of unexpected [2-chloro-4-(4-dimethylaminophenyl-ONN-azoxy)phenyl]dimethylamine (azoxy derivative). *Organic and Physical Chemistry*, **2003**, 1, 3719-71 3.9 7
- 45 Acid catalyzed rearrangements in the arylimino indoline series. Part IV . Reactions of 1,2-dihydro-2-phenyl-2-(indol-3-yl-derivatives)-3-phenylimino-3H-indole with trichloroacetic and hydrochloric acids. Crystal structure of 1,2-dihydro-2-phenyl-2-(indol-3-yl)-3-phenylimino-3H-indole. *Journal of Physical Chemistry*, **1993**, 97, 1219-1227 1.9 7
- 44 The role of oxygen in the reduction of tetrazolium salts with nadh mediated by 5-methyl phenazonium methyl sulfate. An EPR and voltammetric study. *Research on Chemical Intermediates*, **1993**, 19, 643-656 2.8 7
- 43 Tailoring the Barrier Properties of PLA: A State-of-the-Art Review for Food Packaging Applications.. *Polymers*, **2022**, 14, 4.5 7
- 42 Radical cations from dipyrindinium derivatives: a combined EPR and DFT study. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2006**, 64, 653-9 4.4 6
- 41 Reactivity of 2,2-diphenyl-1,2-dihydro-4-ethoxyquinolin-1-yloxyl towards oxygen- and carbon-centred radicals. *Perkin Transactions II RSC*, **2000**, 447-451 6
- 40 Aromatic secondary amines as antioxidants for polyolefins: Part 19,10-dihydroacridine (acridan) derivatives. *Polymer Degradation and Stability*, **1994**, 44, 201-209 4.7 6
- 39 Nitrenium ions. Part 1. Acid-catalysed reactions of 2-methylindole with nitrosobenzenes. Crystal structures of 2-phenylamino-3-phenylimino-3H-indole, 2-(o-tolylamino)-3-(o-tolylimino)-3H-indole, N-phenyl-N-(2-phenylamino-3H-indol-3-ylidene)amine N-oxide and N-(6-methylindol-3-yl)-N-(2-phenylamino-3H-indol-3-ylidene)amine N-oxide. *Journal of Physical Chemistry*, **1993**, 97, 1581-1589 6
- 38 Oxidative dimerization of quinolinic nitroxides in the presence of trichloro- and trifluoro- acetic acid. Crystal structures of 6,6?-bis-(1-oxide-1,2,6,8a-tetrahydroquinoline)ylidene and of 2,3-diphenylquinoline. *Tetrahedron*, **1993**, 49, 5099-5108 2.4 6
- 37 Conformational study on indoline compounds. Structures of 2-phenyl-3-arylimino-3H-indole 1-Oxide, 1,2-dihydro-2-phenyl-2-benzyl- and 2-tert-Butyl-3-phenylimino-3H-indole 1-oxyls. *Journal of Heterocyclic Chemistry*, **1993**, 30, 637-642 1.9 6
- 36 A Sacrificial PLA Block Mediated Route to Injectable and Degradable PNIPAAm-Based Hydrogels. *Polymers*, **2020**, 12, 4.5 5
- 35 Synthesis and thermal stability of benzoxazine nitroxides. *Journal of Organic Chemistry*, **2011**, 76, 9253-60.2 5

34	Oxazoles formation during O-alkylation of isonitroso-naphthols. X-ray structure of [1,2]naphthoquinone 1-[O-(4-tert-butyl-benzyl)-oxime] and 2-(4-tert-butyl-phenyl)naph[1,2-d]oxazole. <i>Journal of Heterocyclic Chemistry</i> , <b>2004</b> , 41, 971-974	1.9	5
33	Reactivity of ubiquinones and ubiquinol with free radicals. <i>Free Radical Research</i> , <b>2001</b> , 35, 63-72	4	5
32	New insights on N-tert-butyl- $\beta$ -phenylnitron (PBN) as a spin trap. Part 1. Reaction between PBN and N-chlorobenzotriazole. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1996</b> , 1297-1305		5
31	Synthesis and structural characterization of the first metal complex with an indole nitroxide. <i>Polyhedron</i> , <b>1993</b> , 12, 1705-1710	2.7	5
30	Fenton's reagent in dimethyl sulphoxide: an unusual sulphonylating system. X-Ray crystallographic analysis of 4-N,N-dimethylamino-N,N-dimethane-sulphonylaniline. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1990</b> , 1929		5
29	Antioxidants: How They Work <b>2008</b> , 251-266		5
28	Reactions of nitric oxide and nitrogen dioxide with coenzyme Q: involvement of the isoprenic chain. <i>Organic and Biomolecular Chemistry</i> , <b>2013</b> , 11, 1399-406	3.9	4
27	Radical intermediates in the photorearrangement of 3-hydroxyindolic nitrones. <i>Tetrahedron</i> , <b>2011</b> , 67, 6889-6894	2.4	4
26	Nitrenium ions. Part 4.1 Reactivity and crystal structure of 1-methyl-2-phenyl-3-N-benzoyloxyindole iminium perchlorate and reactivity of N,N-dimethylamino-p-N-benzoyloxyaniline nitrenium chloride with 2-phenylindole. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1998</b> , 2683-2688		4
25	Hydrogen chloride treatment of quinolinic aminoxylys. Part 2. Crystal structures of 6-chloro-1,2-dihydro-2,2-diphenyl- and 6,8-dichloro-1,2-dihydro-2,2-diphenylquinoline. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1994</b> , 769		4
24	Chemical and electrochemical reduction of the products from the reactions of isoindolines and tetracyanoethylene. <i>Tetrahedron</i> , <b>1995</b> , 51, 7451-7458	2.4	4
23	Direct Amination. Part 4. Reactions of Indoles with Primary Aromatic Amines and Iodosobenzene Diacetate. <i>Heterocycles</i> , <b>1992</b> , 34, 1917	0.8	4
22	DFT calculations as a powerful tool for ESR spin trapping experiments. <i>Magnetic Resonance in Chemistry</i> , <b>2017</b> , 55, 559-562	2.1	3
21	Amidinoquinoxaline N-oxides: spin trapping of O- and C-centered radicals. <i>Organic and Biomolecular Chemistry</i> , <b>2017</b> , 15, 7685-7695	3.9	3
20	12-Crown-4-based amphipathic lipid and corresponding metal cation complexes for gene therapy applications: FT-IR characterization and surface charge determination. <i>Journal of Molecular Structure</i> , <b>2009</b> , 919, 328-333	3.4	3
19	Indolinic and Quinolinic Aminoxylys as Biological Antioxidants <b>1997</b> , 223-232		3
18	Competition between nucleophilic attack and electron transfer in the reaction of indole-1-one imine N-oxides with primary aromatic amines. <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1990</b> , 185		3
17	Efficient and Versatile Modeling of Mono- and Multi-Layer MoS <sub>2</sub> Field Effect Transistor. <i>Electronics (Switzerland)</i> , <b>2020</b> , 9, 1385	2.6	3

16	Phase Properties of Different HfO <sub>2</sub> Polymorphs: A DFT-Based Study. <i>Crystals</i> , <b>2022</b> , 12, 90	2.3	2
15	Reactions of 1,2-Dihydro-2-methyl-2-phenyl-3H-indole-3-one with Various Halogenating Reagents.. <i>Acta Chemica Scandinavica</i> , <b>1998</b> , 52, 137-140		2
14	Insights into the Antioxidant Mechanism of Newly Synthesized Benzoxazinic Nitrones: In Vitro and In Silico Studies with DPPH Model Radical. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	2
13	Effects of different pre-treatments on the properties of polyhydroxyalkanoates extracted from sidestreams of a municipal wastewater treatment plant. <i>Science of the Total Environment</i> , <b>2021</b> , 801, 149633	10.2	2
12	N-Nitrosodiphenylamine as an Alternative Nitrosating Agent for Indoles. <i>Synthetic Communications</i> , <b>1994</b> , 24, 677-682	1.7	1
11	X-ray study of 3-tert-butyl-1-methyl-2-phenylindole, the product of an unexpected tert-butylation reaction. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1989</b> , 45, 1939-1941		1
10	2,2'-Diphenyl-β,3'-bi-3H-indole-1,1'-dioxide: Molecular interactions and crystal structure. <i>Monatshefte für Chemie</i> , <b>1988</b> , 119, 487-494	1.4	1
9	An Exploratory Study of the Policies and Legislative Perspectives on the End-of-Life of Lithium-Ion Batteries from the Perspective of Producer Obligation. <i>Sustainability</i> , <b>2021</b> , 13, 11154	3.6	1
8	Molecular dynamics simulations of quinine encapsulation into biodegradable nanoparticles: A possible new strategy against Sars-CoV-2. <i>European Polymer Journal</i> , <b>2021</b> , 158, 110685	5.2	1
7	Microwave Detection Using Two-Atom-Thick Self-Switching Diodes Based on Quantum Simulations and Advanced Circuit Models. <i>IEEE Transactions on Microwave Theory and Techniques</i> , <b>2021</b> , 1-1	4.1	0
6	Nitrogen configuration determined by X-ray analysis on an homogeneous series of 3-Indolinones. <i>Journal of Heterocyclic Chemistry</i> , <b>1996</b> , 33, 81-85	1.9	
5	Conformational study on 4-(dimethylamino)methanesulfonanilides. 1. Structures of 2-methanesulfonyl- (I), 3-methanesulfonyl- (II) and 2-methanesulfonyl-3-methyl-4-(dimethylamino)methanesulfonanilide (III). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , <b>1990</b> , 16, 2118-2121		
4	Synthesis and Evaluation of New Nitrone-Based Benzoxazinic Antioxidants. <i>Medical Sciences Forum</i> , <b>2021</b> , 2, 17		
3	Influence of a lipophilic edaravone on physical state and activity of antioxidant liposomes: An experimental and in silico study. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2021</b> , 210, 112217	6	
2	50 Years of Chemistry in the Engineering Faculty: From Free Radicals to Nanosystems <b>2019</b> , 195-206		
1	Reactions between 1-Methyl-2-Phenyl-3-Nitrosoindole, Activated with Benzoyl Chloride, with Indole and Indolizine Derivatives as Nucleophiles: A Case of 1,3-Migration. <i>Journal of Chemical Research</i> , <b>1999</b> , 23, 362-363	0.6	