

Pierluigi Stipa

List of Publications by Year in descending order

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docs citations

104
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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> , 1993, 19, 395-405.	2.7	100
2	Tailoring the Barrier Properties of PLA: A State-of-the-Art Review for Food Packaging Applications. <i>Polymers</i> , 2022, 14, 1626.	4.5	49
3	Unexpected Deoxygenation of 2,2,6,6-Tetramethylpiperidine-1-Oxyl (TEMPO) by Thiyl Radicals through the Formation of Arylsulphinyl Radicals. <i>Tetrahedron</i> , 1995, 51, 12445-12452.	1.9	42
4	Î²-Phosphorylated five-membered ring nitroxides: synthesis and ESR study of 2-phosphonyl-4-(hydroxymethyl)pyrrolidine aminoxyl radicals. <i>Journal of Organic Chemistry</i> , 1993, 58, 4465-4468.	3.2	39
5	Synthesis and thermal stability of alkoxyamines. <i>Polymer Degradation and Stability</i> , 1997, 55, 323-327.	5.8	37
6	Chemical and electrochemical study on the interactions of aminoxyls with superoxide anion. <i>Tetrahedron</i> , 1996, 52, 11257-11264.	1.9	35
7	Indolinic nitroxides: evaluation of their potential as universal control agents for nitroxide mediated polymerization. <i>Polymer Chemistry</i> , 2013, 4, 3694.	3.9	33
8	Electron-transfer reactions. Oxidation of Grignard reagents in the presence of an aminoxyl as a radical-trapping agent. <i>Journal of Organic Chemistry</i> , 1991, 56, 4733-4737.	3.2	32
9	Monoalkylated Epigallocatechin-3-gallate (C18-EGCG) as Novel Lipophilic EGCG Derivative: Characterization and Antioxidant Evaluation. <i>Antioxidants</i> , 2020, 9, 208.	5.1	29
10	Homolytic substitution in indolinone nitroxides- IV. Reactions with aminyl radicals. A spectroscopic and crystallographic study. <i>Tetrahedron</i> , 1987, 43, 3031-3040.	1.9	27
11	Imidazo[2,1- <i>b</i>]thiazole carbamates and acylureas as potential insect control agents. <i>Journal of Heterocyclic Chemistry</i> , 1989, 26, 525-529.	2.6	27
12	New insights into N-tert-butyl-1-phenylnitrone (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> , 1997, , 887-892.	0.9	27
13	A multi-step procedure for evaluating the EPR parameters of indolinonic aromatic aminoxyls: A combined DFT and spectroscopic study. <i>Chemical Physics</i> , 2006, 323, 501-510.	1.9	27
14	Radical cations. Part 2. Oxidative dimerization of indolizines: a chemical and electrochemical investigation. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1988, , 3067.	0.9	24
15	Prediction of drug-carrier interactions of PLA and PLGA drug-loaded nanoparticles by molecular dynamics simulations. <i>European Polymer Journal</i> , 2021, 147, 110292.	5.4	24
16	Hydroxyl radical from the reaction between hypochlorite and hydrogen peroxide. <i>Atmospheric Environment</i> , 2008, 42, 6551-6554.	4.1	22
17	Reactivity of an indolinonic aminoxyl with superoxide anion and hydroxyl radicals. <i>Free Radical Research</i> , 1999, 31, 113-121.	3.3	21
18	Synthesis, Characterization and Antioxidant Properties of a New Lipophilic Derivative of Edaravone. <i>Antioxidants</i> , 2019, 8, 258.	5.1	21

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19	Experimental investigation on the durability of a novel lightweight prefabricated reinforced-EPS based construction system. <i>Construction and Building Materials</i> , 2020, 252, 119134.	7.2	21
20	$\dot{\text{I}}^2$ -Phosphorylated Five Membered Ring Nitroxides. Synthesis and EPR Study. <i>Free Radical Research Communications</i> , 1993, 19, s23-s32.	1.8	20
21	Phase Properties of Different HfO ₂ Polymorphs: A DFT-Based Study. <i>Crystals</i> , 2022, 12, 90.	2.2	19
22	Reactivity of Sulfur-Centered Radicals with Indolinonic and Quinolinic Aminoxyls. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 2405-2412.	2.4	18
23	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> , 2003, 2003, 2626-2634.	2.4	17
24	SYNTHESIS OF 3-AMINO-2-OXO-1,2-OXAPHOSPHOLANES AND 3-AMINO-2-OXO-1,2-OXAPHOSPHORINANES. Phosphorus, Sulfur and Silicon and the Related Elements, 1993, 81, 17-25.	1.6	16
25	Radical Trapping Properties of 3-Aryl-2H-benzo[1,4]oxazin-4-oxides. <i>Journal of Organic Chemistry</i> , 2007, 72, 8677-8682.	3.2	16
26	Depth Distribution of Spin-Labeled Liponitroxides within Lipid Bilayers: A Combined EPR and Molecular Dynamics Approach. <i>ACS Omega</i> , 2019, 4, 5029-5037.	3.5	16
27	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> , 1991, , 1779.	0.9	15
28	Molecular dynamics simulations of quinine encapsulation into biodegradable nanoparticles: A possible new strategy against Sars-CoV-2. <i>European Polymer Journal</i> , 2021, 158, 110685.	5.4	15
29	The reactivity of aminoxyls towards peroxy radicals: an ab initio thermochemical study. <i>Perkin Transactions II RSC</i> , 2001, , 1793-1797.	1.1	14
30	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> , 2021, 801, 149633.	8.0	14
31	Chemical and electrochemical synthesis of quinoneimine n-oxides from indolinone-3-arylimino nitroxide radicals. <i>Tetrahedron</i> , 1988, 44, 1503-1510.	1.9	13
32	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> , 1989, 45, 519-523.	0.1	13
33	Chemical and electrochemical reduction of ortho-nitroanilides. A combined chemical, polarographic and EPR study. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1991, , 1019.	0.9	13
34	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-dione-quinone. <i>Polymer Degradation and Stability</i> , 1993, 39, 73-83.	5.8	12
35	On the Reaction of Aminoxyls with Dioxiranes. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 871-876.	2.4	12
36	Reactions of Nitrosoarenes with Nitrogen Monoxide (Nitric Oxide) and Nitrogen Dioxide: Formation of Diarylnitroxides. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3279-3285.	2.4	12

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37	Liponitroxides: EPR study and their efficacy as antioxidants in lipid membranes. RSC Advances, 2015, 5, 98955-98966.	3.6	12
38	Amidinoquinoxaline N-oxides as novel spin traps. RSC Advances, 2015, 5, 2724-2731.	3.6	12
39	Antioxidants and light stabilizers. Part 2. On the thermal stability of indolinonic nitroxides. Polymer Degradation and Stability, 1993, 39, 215-224.	5.8	11
40	OH radical trapping with benzoxazine nitrones: a combined computational and spectroscopic study. Tetrahedron, 2013, 69, 4591-4596.	1.9	11
41	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 Heterocyclic Chemistry, 1992, 29, 1349-1355.	2.6	10
42	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.	1.9	10
43	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-oxides. Journal of Heterocyclic Chemistry, 1993, 30, 637-642.		
44	Aromatic secondary amines as antioxidants for polyolefins. Part 2: phenothiazines. Polymer Degradation and Stability, 1995, 50, 305-312.	5.8	10
45	Benzoxazinic nitrones and nitroxides as possible antioxidants in biological systems. RSC Advances, 2013, 3, 22023.	3.6	10
46	A Sacrificial PLA Block Mediated Route to Injectable and Degradable PNIPAAm-Based Hydrogels. Polymers, 2020, 12, 925.	4.5	9
47	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 bis(2-methyl-1H-indol-3-yl)methane. Journal of the Chemical Society Perkin Transactions II, 1994, , 1589.	0.9	8
48	New insights on N-tert-butyl-1-phenylnitron (PBN) as a spin trap. Part 1. Reaction between PBN and N-chlorobenzotriazole. Journal of the Chemical Society Perkin Transactions II, 1996, , 1297-1305.	0.9	8
49	Competition between nucleophilic addition and electron-transfer process in the reaction of 9-diazo-10-anthrone with grignard reagents. Tetrahedron, 1996, 52, 6795-6802.	1.9	8
50	Nitrenium ions. Part 5. For Part 4 see ref. 1 Reactions of N,N-dimethyl-p-benzoyloxyaniline-iminium chloride with indoles and indolizines. X-ray structure of unexpected [2-chloro-4-(4-dimethylaminophenyl-ONN-azoxy)phenyl]dimethylamine (azoxy derivative). Organic and Biomolecular Chemistry, 2003, 1, 3768.	2.8	8
51	Oxazoles formation during O-alkylation of isonitroso-naphthols. X-ray structure of [1,2]naphthoquinone 1-oxide-(4-tert-butylbenzyl)-oxime and 2-(4-tert-butylphenyl)naph[1,2-d]oxazole. Journal of Heterocyclic Chemistry, 2004, 41, 971-974.	2.6	8
52	The reactivity of manganese dioxide towards different substrates in organic solvents. New Journal of Chemistry, 2015, 39, 8964-8970.	2.8	8
53	Optical properties of traditional clay tiles for ventilated roofs and implication on roof thermal performance. Journal of Building Physics, 2019, 42, 484-505.	2.4	8
54	Insights into the Antioxidant Mechanism of Newly Synthesized Benzoxazinic Nitrones: In Vitro and In Silico Studies with DPPH Model Radical. Antioxidants, 2021, 10, 1224.	5.1	8

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55	The Role of Zr on Monoclinic and Orthorhombic Hf _x Zr _y O ₂ Systems: A First-Principles Study. <i>Materials</i> , 2022, 15, 4175.	2.9	8
56	The role of oxygen in the reduction of tetrazolium salts with nadh mediated by 5-methyl phenazonium methyl sulfate. An EPR and voltammetric study. <i>Research on Chemical Intermediates</i> , 1993, 19, 643-656.	2.7	7
57	Aromatic secondary amines as antioxidants for polyolefins: Part 1—9,10-dihydroacridine (acridan) derivatives. <i>Polymer Degradation and Stability</i> , 1994, 44, 201-209.	5.8	7
58	Direct Amination. Part 4. Reactions of Indoles with Primary Aromatic Amines and Iodosobenzene Diacetate. <i>Heterocycles</i> , 1992, 34, 1917.	0.7	7
59	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> , 2021, 13, 11154.	3.2	7
60	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> , 1990, , 1929.	0.9	6
61	N-Nitrosodiphenylamine as an Alternative Nitrosating Agent for Indoles. <i>Synthetic Communications</i> , 1994, 24, 677-682.	2.1	6
62	Reactivity of 2,2-diphenyl-1,2-dihydro-4-ethoxyquinolin-1-yloxyl towards oxygen- and carbon-centred radicals. <i>Perkin Transactions II RSC</i> , 2000, , 447-451.	1.1	6
63	Radical cations from dipyridinium derivatives: A combined EPR and DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006, 64, 653-659.	3.9	6
64	Synthesis and Thermal Stability of Benzoxazine Nitroxides. <i>Journal of Organic Chemistry</i> , 2011, 76, 9253-9260.	3.2	6
65	Radical intermediates in the photorearrangement of 3-hydroxyindolic nitrones. <i>Tetrahedron</i> , 2011, 67, 6889-6894.	1.9	6
66	Amidinoquinoxaline N-oxides: spin trapping of O- and C-centered radicals. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7685-7695.	2.8	6
67	Synthesis and structural characterization of the first metal complex with an indole nitroxide. <i>Polyhedron</i> , 1993, 12, 1705-1710.	2.2	5
68	Hydrogen chloride treatment of quinolinic aminoxyls. 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> , 1994, , 769.	0.9	5
69	Chemical and electrochemical reduction of the products from the reactions of isoindolines and tetracyanoethylene. <i>Tetrahedron</i> , 1995, 51, 7451-7458.	1.9	5
70	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> , 1998, , 2683-2688.	0.9	5
71	Reactivity of ubiquinones and ubiquinolins with free radicals. <i>Free Radical Research</i> , 2001, 35, 63-72.	3.3	5
72	Antioxidants: How They Work. , 2008, , 251-266.		5

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73	Competition between nucleophilic attack and electron transfer in the reaction of indole-3-imine N-oxides with primary aromatic amines. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990, , 185.	0.9	4
74	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> , 2009, 919, 328-333.	3.6	4
75	Reactions of nitric oxide and nitrogen dioxide with coenzyme Q: involvement of the isoprenic chain. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1399.	2.8	4
76	Efficient and Versatile Modeling of Mono- and Multi-Layer MoS ₂ Field Effect Transistor. <i>Electronics (Switzerland)</i> , 2020, 9, 1385.	3.1	4
77	Salt effects on mixed composition membranes containing an antioxidant lipophilic edaravone derivative: a computational-experimental study. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5784-5795.	2.8	4
78	Indolinic and Quinolinic Aminoxyls as Biological Antioxidants. , 1997, , 223-232.		3
79	DFT calculations as a powerful tool for ESR spin trapping experiments. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 559-562.	1.9	3
80	Amidinoquinoxaline-Based Nitrones as Lipophilic Antioxidants. <i>Antioxidants</i> , 2021, 10, 1185.	5.1	3
81	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> , 2022, 70, 1132-1145.	4.6	3
82	2,2'-Diphenyl-2,2'-bi-3H-indole-1,1'-dioxide: Molecular interactions and crystal structure. <i>Monatshefte für Chemie</i> , 1988, 119, 487-494.	1.8	2
83	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> , 1989, 45, 1939-1941.	0.4	2
84	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 Synopses</i> , 1999, , 362-363.	0.3	2
85	Reactions of 1,2-Dihydro-2-methyl-2-phenyl-3H-indole-3-one with Various Halogenating Reagents.. <i>Acta Chemica Scandinavica</i> , 1998, 52, 137-140.	0.7	2
86	Chemical and electrochemical reduction of 2H-indole-3,5-dione and -dione 3-imine N-oxides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1993, , 2217.	0.9	1
87	Synthesis and Evaluation of New Nitronone-Based Benzoxazinic Antioxidants. <i>Medical Sciences Forum</i> , 2020, 2, .	0.5	1
88	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> , 2022, 210, 112217.	5.0	1
89	Conformational study on 4-(dimethylamino)methanesulfonamides. 1. Structures of 2-methanesulfonyl- (I), 3-methanesulfonyl- (II) and 2-methanesulfonyl-3-methyl-4-(dimethylamino)methanesulfonamide (III). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1990, 46, 2118-2121.	0.4	0
90	Nitrogen configuration determined by X-ray analysis on an homogeneous series of 3-indolinones. <i>Journal of Heterocyclic Chemistry</i> , 1996, 33, 81-85.	2.6	0

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91	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. Journal of Chemical Research, 1999, 23, 362-363.	1.3	0
92	50 Years of Chemistry in the Engineering Faculty: From Free Radicals to Nanosystems. , 2019, , 195-206.		0
93	Recent contributions of EPR to nitrene and nitroxide chemistry. Electron Paramagnetic Resonance, 2020, , 109-145.	0.2	0