

Pierluigi Stipa

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87
papers

846
citations

15
h-index

22
g-index

104
ext. papers

1,004
ext. citations

3.5
avg, IF

3.75
L-index

#	Paper	IF	Citations
87	Phase Properties of Different HfO ₂ Polymorphs: A DFT-Based Study. <i>Crystals</i> , 2022 , 12, 90	2.3	2
86	Tailoring the Barrier Properties of PLA: A State-of-the-Art Review for Food Packaging Applications.. <i>Polymers</i> , 2022 , 14,	4.5	7
85	Synthesis and Evaluation of New Nitronone-Based Benzoxazinic Antioxidants. <i>Medical Sciences Forum</i> , 2021 , 2, 17		
84	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> , 2021 , 210, 112217	6	
83	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> , 2021 , 1-1	4.1	0
82	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	3.6	1
81	Prediction of drug-carrier interactions of PLA and PLGA drug-loaded nanoparticles by molecular dynamics simulations. <i>European Polymer Journal</i> , 2021 , 147, 110292	5.2	9
80	Insights into the Antioxidant Mechanism of Newly Synthesized Benzoxazinic Nitrones: In Vitro and In Silico Studies with DPPH Model Radical. <i>Antioxidants</i> , 2021 , 10,	7.1	2
79	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	5.2	1
78	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	10.2	2
77	Monoalkylated Epigallocatechin-3-gallate (C18-EGCG) as Novel Lipophilic EGCG Derivative: Characterization and Antioxidant Evaluation. <i>Antioxidants</i> , 2020 , 9,	7.1	16
76	Experimental investigation on the durability of a novel lightweight prefabricated reinforced-EPS based construction system. <i>Construction and Building Materials</i> , 2020 , 252, 119134	6.7	12
75	A Sacrificial PLA Block Mediated Route to Injectable and Degradable PNIPAAm-Based Hydrogels. <i>Polymers</i> , 2020 , 12,	4.5	5
74	Efficient and Versatile Modeling of Mono- and Multi-Layer MoS ₂ Field Effect Transistor. <i>Electronics (Switzerland)</i> , 2020 , 9, 1385	2.6	3
73	Depth Distribution of Spin-Labeled Liponitroxides within Lipid Bilayers: A Combined EPR and Molecular Dynamics Approach. <i>ACS Omega</i> , 2019 , 4, 5029-5037	3.9	7
72	Optical properties of traditional clay tiles for ventilated roofs and implication on roof thermal performance. <i>Journal of Building Physics</i> , 2019 , 42, 484-505	2.6	7
71	Synthesis, Characterization and Antioxidant Properties of a New Lipophilic Derivative of Edaravone. <i>Antioxidants</i> , 2019 , 8,	7.1	12

70	50 Years of Chemistry in the Engineering Faculty: From Free Radicals to Nanosystems 2019 , 195-206		
69	DFT calculations as a powerful tool for ESR spin trapping experiments. <i>Magnetic Resonance in Chemistry</i> , 2017 , 55, 559-562	2.1	3
68	Amidinoquinoxaline N-oxides: spin trapping of O- and C-centered radicals. <i>Organic and Biomolecular Chemistry</i> , 2017 , 15, 7685-7695	3.9	3
67	The reactivity of manganese dioxide towards different substrates in organic solvents. <i>New Journal of Chemistry</i> , 2015 , 39, 8964-8970	3.6	7
66	Liponitroxides: EPR study and their efficacy as antioxidants in lipid membranes. <i>RSC Advances</i> , 2015 , 5, 98955-98966	3.7	9
65	Amidinoquinoxaline N-oxides as novel spin traps. <i>RSC Advances</i> , 2015 , 5, 2724-2731	3.7	7
64	Indolinic nitroxides: evaluation of their potential as universal control agents for nitroxide mediated polymerization. <i>Polymer Chemistry</i> , 2013 , 4, 3694	4.9	28
63	Benzoxazinic nitrones and nitroxides as possible antioxidants in biological systems. <i>RSC Advances</i> , 2013 , 3, 22023	3.7	8
62	OH radical trapping with benzoxazine nitrones: a combined computational and spectroscopic study. <i>Tetrahedron</i> , 2013 , 69, 4591-4596	2.4	10
61	Reactions of nitric oxide and nitrogen dioxide with coenzyme Q: involvement of the isoprenic chain. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 1399-406	3.9	4
60	Radical intermediates in the photorearrangement of 3-hydroxyindolic nitrones. <i>Tetrahedron</i> , 2011 , 67, 6889-6894	2.4	4
59	Synthesis and thermal stability of benzoxazine nitroxides. <i>Journal of Organic Chemistry</i> , 2011 , 76, 9253-60.2	4.2	5
58	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	3.4	3
57	Hydroxyl radical from the reaction between hypochlorite and hydrogen peroxide. <i>Atmospheric Environment</i> , 2008 , 42, 6551-6554	5.3	15
56	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	3.2	9
55	Antioxidants: How They Work 2008 , 251-266		5
54	Radical trapping properties of 3-aryl-2H-benzo[1,4]oxazin-4-oxides. <i>Journal of Organic Chemistry</i> , 2007 , 72, 8677-82	4.2	12
53	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	2.3	26

52	Radical cations from dipyridinium derivatives: a combined EPR and DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 64, 653-9	4.4	6
51	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> , 2004 , 41, 971-974	1.9	5
50	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	3.2	15
49	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). <i>Organic and Biomolecular Chemistry</i> , 2003 , 1, 3768-71	3.9	7
48	Reactivity of ubiquinones and ubiquinols with free radicals. <i>Free Radical Research</i> , 2001 , 35, 63-72	4	5
47	The reactivity of aminoxyls towards peroxy radicals: an ab initio thermochemical study. <i>Perkin Transactions II RSC</i> , 2001 , 1793-1797		13
46	Reactivity of 2,2-diphenyl-1,2-dihydro-4-ethoxyquinolin-1-yloxy towards oxygen- and carbon-centred radicals. <i>Perkin Transactions II RSC</i> , 2000 , 447-451		6
45	Reactivity of an indolinonic aminoxyl with superoxide anion and hydroxyl radicals. <i>Free Radical Research</i> , 1999 , 31, 113-21	4	19
44	Reactivity of Sulfur-Centered Radicals with Indolinonic and Quinolinic Aminoxyls. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 2405-2412	3.2	14
43	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> , 1999 , 23, 362-363	0.6	
42	. <i>European Journal of Organic Chemistry</i> , 1998 , 1998, 871-876	3.2	11
41	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		4
40	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		2
39	Indolinic and Quinolinic Aminoxyls as Biological Antioxidants 1997 , 223-232		3
38	New insights into N-tert-butyl- β -phenylnitron (PBN) as a spin trap. Part 2.1 Thereactivity 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		25
37	Synthesis and thermal stability of alkoxyamines. <i>Polymer Degradation and Stability</i> , 1997 , 55, 323-327	4.7	33
36	New insights on N-tert-butyl- β -phenylnitron (PBN) as a spin trap. Part 1. Reaction between PBN and N-chlorobenzotriazole. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1996 , 1297-1305		5
35	Nitrogen configuration determined by X-ray analysis on an homogeneous series of 3-Indolinones. <i>Journal of Heterocyclic Chemistry</i> , 1996 , 33, 81-85	1.9	

34	Chemical and electrochemical study on the interactions of aminoxyls with superoxide anion. <i>Tetrahedron</i> , 1996 , 52, 11257-11264	2.4	26
33	Competition between nucleophilic addition and electron-transfer process in the reaction of 9-diazo-10-anthrone with grignard reagents. <i>Tetrahedron</i> , 1996 , 52, 6795-6802	2.4	8
32	Aromatic secondary amines as antioxidants for polyolefins. Part 2: phenothiazines. <i>Polymer Degradation and Stability</i> , 1995 , 50, 305-312	4.7	10
31	Chemical and electrochemical reduction of the products from the reactions of isoindolines and tetracyanoethylene. <i>Tetrahedron</i> , 1995 , 51, 7451-7458	2.4	4
30	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	2.4	34
29	N-Nitrosodiphenylamine as an Alternative Nitrosating Agent for Indoles. <i>Synthetic Communications</i> , 1994 , 24, 677-682	1.7	1
28	Aromatic secondary amines as antioxidants for polyolefins: Part 19, 10-dihydroacridine (acridan) derivatives. <i>Polymer Degradation and Stability</i> , 1994 , 44, 201-209	4.7	6
27	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-(2-phenylamino-3H-indol-3-ylidene)amine N-oxide. <i>Synthetic Communications</i> , 1994 , 24, 1589-1592		6
26	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		4
25	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	4.2	39
24	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> , 1993 , 81, 17-25	1	11
23	Beta-phosphorylated five membered ring nitroxides. Synthesis and EPR study. <i>Free Radical Research Communications</i> , 1993 , 19 Suppl 1, S23-32		20
22	Antioxidants and light stabilizers. Part 2. On the thermal stability of indolinonic nitroxides. <i>Polymer Degradation and Stability</i> , 1993 , 39, 215-224	4.7	11
21	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 1-[O-(3,5-di-tert-butyl-4-hydroxy)-benzyl]-1,2-dihydro-2-methyl-2-phenyl-3-oxo-3H-indole. <i>Synthetic Communications</i> , 1993 , 23, 73-83	4.7	9
20	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. <i>Tetrahedron</i> , 1993 , 49, 5099-5108	2.4	6
19	Synthesis and structural characterization of the first metal complex with an indole nitroxide. <i>Polyhedron</i> , 1993 , 12, 1705-1710	2.7	5
18	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	2.8	57
17	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	2.8	7

16	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. <i>Journal of Heterocyclic Chemistry</i> , 1993 , 30, 637-642	1.9	6
15	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. <i>Journal of Heterocyclic Chemistry</i> , 1992 , 29, 1349-1355	1.9	7
14	Direct Amination. Part 4. Reactions of Indoles with Primary Aromatic Amines and Iodosobenzene Diacetate. <i>Heterocycles</i> , 1992 , 34, 1917	0.8	4
13	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		11
12	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	4.2	27
11	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		11
10	Conformational study on 4-(dimethylamino)methanesulfonilides. 1. Structures of 2-methanesulfonyl- (I), 3-methanesulfonyl- (II) and 2-methanesulfonyl-3-methyl-4-(dimethylamino)methanesulfonilide (III). <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1990 , 46, 2118-2121		
9	Competition between nucleophilic attack and electron transfer in the reaction of indole-dione imine N-oxides with primary aromatic amines. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1990 , 185		3
8	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		5
7	Imidazo[2,1-b]thiazole carbamates and acylureas as potential insect control agents. <i>Journal of Heterocyclic Chemistry</i> , 1989 , 26, 525-529	1.9	23
6	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		1
5	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		12
4	2,2'-Diphenyl-β,β'-bi-3H-indole-1,1'-dioxide: Molecular interactions and crystal structure. <i>Monatshefte für Chemie</i> , 1988 , 119, 487-494	1.4	1
3	Chemical and electrochemical synthesis of quinoneimine n-oxides from indolinone-3-arylimino nitroxide radicals. <i>Tetrahedron</i> , 1988 , 44, 1503-1510	2.4	10
2	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		20
1	Homolytic substitution in indolinone nitroxides- IV. Reactions with aminyl radicals. A spectroscopic and crystallographic study. <i>Tetrahedron</i> , 1987 , 43, 3031-3040	2.4	20