

Daniele Nanni

List of Publications by Year in descending order

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2408
citing authors

#	ARTICLE	IF	CITATIONS
1	From Azides to Nitrogen-Centered Radicals: Applications of Azide Radical Chemistry to Organic Synthesis. <i>Chemistry - A European Journal</i> , 2009, 15, 7830-7840.	3.3	179
2	Thiol-alkyne coupling: revisiting old concepts as a breakthrough for up-to-date applications. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3791.	2.8	120
3	Radical annulations and cyclisations with isonitriles: the fate of the intermediate imidoyl and cyclohexadienyl radicals. <i>Tetrahedron</i> , 1995, 51, 9045-9062.	1.9	106
4	Synthesis and some reactions of the first chiral tin hydride containing a C2-symmetric binaphthyl substituent. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 2417-2422.	1.8	96
5	Generation and Intramolecular Reactivity of Acyl Radicals from Alkynylthiol Esters under Reducing Tin-Free Conditions. <i>Organic Letters</i> , 2003, 5, 1313-1316.	4.6	80
6	Reaction of Azides with Dichloroindium Hydride: A Very Mild Production of Amines and Pyrrolidin-2-imines through Possible Indium-Aminyl Radicals. <i>Organic Letters</i> , 2006, 8, 2499-2502.	4.6	79
7	Approach to Spirocyclohexadienimines and Corresponding Dienones through Radical ipso Cyclization onto Aromatic Azides. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9439-9442.	13.8	70
8	Radical annulations with nitriles: Novel cascade reactions of cyano-substituted alkyl and sulfanyl radicals with isonitriles. <i>Tetrahedron</i> , 1998, 54, 5587-5598.	1.9	69
9	Cascade Radical Reactions via $\hat{\text{I}}^{\pm}$ -(Arylsulfanyl)imidoyl Radicals: A Competitive [4 + 2] and [4 + 1] Radical Annulations of Alkynyl Isothiocyanates with Aryl Radicals. <i>Journal of Organic Chemistry</i> , 2003, 68, 3454-3464.	3.2	69
10	$\hat{\text{I}}^{\pm}$ -(Arylthio)imidoyl Radicals: A [3 + 2] Radical Annulation of Aryl Isothiocyanates with 2-Cyano-Substituted Aryl Radicals. <i>Journal of Organic Chemistry</i> , 1997, 62, 8394-8399.	3.2	68
11	Radical Reduction of Aromatic Azides to Amines with Triethylsilane. <i>Journal of Organic Chemistry</i> , 2006, 71, 5822-5825.	3.2	68
12	An Insight into the Radical Thiol/Yne Coupling: The Emergence of Arylalkyne-Tagged Sugars for the Direct Photoinduced Glycosylation of Cysteine-Containing Peptides. <i>Journal of Organic Chemistry</i> , 2011, 76, 450-459.	3.2	68
13	Synthesis and Reactivity of (C ₆ F ₅) ₃ B-N-Heterocycle Complexes. 1. Generation of Highly Acidic sp ³ Carbons in Pyrroles and Indoles. <i>Journal of Organic Chemistry</i> , 2003, 68, 5445-5465.	3.2	62
14	Annulation reactions with iron(III) chloride: oxidation of imines. <i>Journal of Organic Chemistry</i> , 1992, 57, 1842-1848.	3.2	61
15	Intramolecular Cyclization of Acyl Radicals onto the Azido Group: A New Radical Approach to Cyclized Lactams. <i>Organic Letters</i> , 2002, 4, 3079-3081.	4.6	61
16	Iminyl Radicals from $\hat{\text{I}}^{\pm}$ -Azido o-Iodoanilides via 1,5-H Transfer Reactions of Aryl Radicals: New Transformation of $\hat{\text{I}}^{\pm}$ -Azido Acids to Decarboxylated Nitriles. <i>Journal of Organic Chemistry</i> , 2008, 73, 4721-4724.	3.2	60
17	Radical Addition to Isonitriles: A Route to Polyfunctionalized Alkenes through a Novel Three-Component Radical Cascade Reaction. <i>Journal of Organic Chemistry</i> , 2000, 65, 2763-2772.	3.2	52
18	Radical Chain Reactions of $\hat{\text{I}}^{\pm}$ -Azido- $\hat{\text{I}}^2$ -keto Esters with Tributyltin Hydride. A Novel Entry to Amides and Lactams through Regiospecific Nitrogen Insertion. <i>Journal of Organic Chemistry</i> , 1999, 64, 7836-7841.	3.2	51

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19	Cascade Radical Reaction of 2-Alkynyl-Substituted Aryl Radicals with Aryl Isothiocyanates: A Novel Entry to Benzothieno[2,3-b]quinolines through $\hat{\text{I}}^{\pm}$ -(Arylsulfanyl)imidoyl Radicals. <i>Journal of Organic Chemistry</i> , 2000, 65, 8669-8674.	3.2	49
20	Reduction of azides to amines by samarium diiodide. <i>Tetrahedron Letters</i> , 1995, 36, 7313-7314.	1.4	48
21	A Novel Tin-Free Procedure for Alkyl Radical Reactions. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 3598-3601.	13.8	48
22	Cyclizations of N-Stannylaminyl Radicals onto Nitriles. <i>Organic Letters</i> , 2004, 6, 417-420.	4.6	48
23	Reactions of Benzocyclic $\hat{\text{I}}^2$ -Keto Esters with Sulfonyl Azides. 2.1 Further Insight into the Influence of Azide Structure and Solvent on the Reaction Course. <i>Journal of Organic Chemistry</i> , 1999, 64, 5132-5138.	3.2	47
24	Synthesis and Reactivity of N-Heterocycle-B(C ₆ F ₅) ₃ Complexes. 3. Generation of N-Methylpyrrol-2-yl and N-Methylindol-2-yl Borate Zwitterions with Acidic sp ³ Carbons. <i>Organometallics</i> , 2004, 23, 5135-5141.	2.3	46
25	Generation and Cyclization of Unsaturated Carbamoyl Radicals Derived from S-4-Pentynyl Carbamothioates under Tin-Free Conditions. <i>Journal of Organic Chemistry</i> , 2006, 71, 3192-3197.	3.2	45
26	Imidoyl Radicals in Organic Synthesis. <i>Current Organic Chemistry</i> , 2007, 11, 1366-1384.	1.6	45
27	DDQ-mediated formation of carbon-carbon bonds: Oxidation of imines. <i>Tetrahedron</i> , 1993, 49, 10157-10174.	1.9	44
28	Reaction of azoarenes with tributyltin hydride. <i>Journal of Organic Chemistry</i> , 1992, 57, 607-613.	3.2	42
29	Aromatic annelation by reaction of arylimidoyl radicals with alkynes: evidence for the intervention of a spirocyclohexadienyl radical in the synthesis of substituted quinolines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1986, , 1591.	0.9	41
30	On the neophyl-like rearrangement of 2-(9-anthryl)ethyl radicals. <i>Journal of the American Chemical Society</i> , 1989, 111, 7723-7732.	13.7	36
31	Radical chain reactions of $\hat{\text{I}}^{\pm}$ -azido ketones with tributyltin hydride: reduction vs nitrogen insertion and 1,2-hydrogen shift in the intermediate N-stannylaminyl radicals. <i>Tetrahedron</i> , 2002, 58, 3485-3492.	1.9	35
32	Tin-Free Generation of Alkyl Radicals from Alkyl 4-Pentynyl Sulfides via Homolytic Substitution at the Sulfur Atom. <i>Organic Letters</i> , 2008, 10, 1127-1130.	4.6	35
33	Supported Gold Nanoparticles for Alcohols Oxidation in Continuous-Flow Heterogeneous Systems. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 4746-4756.	6.7	35
34	Peroxydicarbonate-mediated oxidation of N-(ortho-aryloxyphenyl) and N-(ortho-arylaminophenyl)aldimines. <i>Tetrahedron</i> , 1995, 51, 12143-12158.	1.9	34
35	Thermal decomposition of tert-butyl ortho-(phenylsulfanyl)- and ortho-(phenylsulfonyl)phenyliminoxyperacetates: The reactivity of thio-substituted iminyl radicals. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 1072-1078.	1.3	34
36	Tin Radical Addition to Alkynyl Sulfides: Reactivity of the Intermediate Thioalkyl-Substituted β -(Tributylstannyl)vinyl Radicals. <i>Journal of Organic Chemistry</i> , 1994, 59, 3368-3374.	3.2	32

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37	Straightforward Synthesis of Gold Nanoparticles Supported on Commercial Silica-Polyethyleneimine Beads. <i>Journal of Physical Chemistry C</i> , 2012, 116, 25434-25443.	3.1	32
38	Isonitriles as source and fate of imidoyl radicals: a novel homolytic \hat{I}^2 -fragmentation. <i>Tetrahedron Letters</i> , 1996, 37, 9337-9340.	1.4	30
39	Reactions of Benzocyclic \hat{I}^2 -Keto Esters with Tosyl and 4-Nitrophenyl Azide. Structural Influence of Dicarboxyl Substrate and Azide Reagent on Distribution of Diazo, Azide and Ring-Contraction Products. <i>Journal of Organic Chemistry</i> , 1998, 63, 4679-4684.	3.2	30
40	Radical Reduction of Aromatic Azides to Amines with Tributylgermanium Hydride. <i>Journal of Organic Chemistry</i> , 2006, 71, 434-437.	3.2	30
41	Conformational Studies by Dynamic NMR. 89.1 Stereomutation and Cryogenic Enantioseparation of Conformational Antipodes of Hindered Aryl Oximes. <i>Journal of Organic Chemistry</i> , 2002, 67, 3089-3095.	3.2	29
42	Homolytic annulation by reaction of imidoyl radicals with diethyl azodicarboxylate: a new route to nitrogen heterocycle derivatives. <i>Journal of the Chemical Society Chemical Communications</i> , 1989, , 757.	2.0	27
43	Alkanethioimidoyl Radicals: Evaluation of \hat{I}^2 -Scission Rates and of Cyclization onto α -Alkenyl Substituents. <i>Journal of Organic Chemistry</i> , 2004, 69, 2056-2069.	3.2	27
44	The reaction of (2-alkylidenaminophenyl)sulfides with di-iso-propyl peroxydicarbonate: radical versus non-radical pathway. <i>Tetrahedron</i> , 1992, 48, 3961-3970.	1.9	25
45	N-(ortho-Aryloxyphenyl)arylimidoyl radicals: Novel 1,5-aryl radical translocation from oxygen to carbon. <i>Tetrahedron Letters</i> , 1995, 36, 451-454.	1.4	25
46	Synthesis and X-ray characterisation of a new polycondensed heterocycle obtained by a novel Mn(III)-mediated cascade reaction of 2-cyanophenyl isothiocyanate. <i>Tetrahedron</i> , 2001, 57, 7221-7233.	1.9	24
47	Improved Radical Approach to <i>N</i> -Unsubstituted Indol-2-one and Dihydroquinolinone Compounds Bearing Spirocyclic Cyclohexanone/Cyclohexadienone Rings. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2275-2280.	4.3	24
48	Intramolecular addition of aryl radicals to carbon-nitrogen double bonds. <i>Tetrahedron</i> , 1995, 51, 2039-2054.	1.9	23
49	Alkenylthioimidoyl Radicals: Competition between \hat{I}^2 -Scission and Cyclization to Dihydrothiophen-2-ylidene-amines. <i>Organic Letters</i> , 2003, 5, 901-904.	4.6	23
50	Thermal Reactions of Tributyltin Hydride with \hat{I}^2 -Azido Esters: Unexpected Intervention of Tin Triazene Adducts under Both Nonradical and Radical Conditions. <i>Journal of Organic Chemistry</i> , 2005, 70, 3046-3053.	3.2	23
51	Diazo transfer reactions of tosyl azide with carbocyclic \hat{I}^2 -keto esters: production and decomposition of ring-opened N-tosylcarbamoyl-substituted \hat{I}^2 -diazo esters. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997, , 457-462.	0.9	22
52	Diazo transfer reaction of 2-(trimethylsilyl)-1,3-dithiane with tosyl azide. Carbenic reactivity of transient 2-diazo-1,3-dithiane. <i>Tetrahedron</i> , 1997, 53, 9269-9278.	1.9	22
53	Diastereoselectivity in Mn(III)-Promoted 4-exo-trig Cyclization of Enamides to \hat{I}^2 -Lactams. <i>Organic Letters</i> , 2000, 2, 401-402.	4.6	22
54	Gas-phase cyclisation reactions of 1-(2-arylthiophenyl)alkaniminyl and 2-(aryliminomethyl)thiophenoxyl radicals. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 1079-1085.	1.3	20

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55	Novel [3+2] radical annulations of cyano-substituted aryl radicals with alkynes. <i>Tetrahedron Letters</i> , 1998, 39, 2441-2442.	1.4	19
56	Novel rearrangement of N-(9H-carbazol-9-yl)arylaminy radicals. <i>Journal of Organic Chemistry</i> , 1993, 58, 2419-2423.	3.2	18
57	On the Regioselectivity of Imidoyl Radical Cyclisations. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 707-711.	2.4	17
58	Radical Chain Reaction of Benzenethiol with Pentynylthiol Esters: Production of Aldehydes under Stannane/Silane-Free Conditions. <i>Synlett</i> , 2004, 2004, 987-990.	1.8	16
59	Radical Additions of Thiols to Alkenes and Alkynes in Ionic Liquids. <i>Current Organic Chemistry</i> , 2009, 13, 1726-1732.	1.6	16
60	A Convenient Synthesis of Phenanthrene and Chrysene Derivatives. <i>Synthesis</i> , 1988, 1988, 333-335.	2.3	15
61	Thermal decomposition of tert-butyl o-(phenoxy)- and o-(anilino)phenyliminoxyperacetates. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 1813-1824.	0.9	15
62	Gold nanoparticles supported on functionalized silica as catalysts for alkyne hydroamination: A chemico-physical insight. <i>Applied Surface Science</i> , 2019, 492, 45-54.	6.1	15
63	CAN- and DDQ-Promoted Oxidation of Alkenyl Sulfides. <i>Journal of Organic Chemistry</i> , 1994, 59, 7379-7382.	3.2	14
64	Novel Synthesis of Gold Nanoparticles Supported on Alkyne-Functionalized Nanosilica. <i>Journal of Physical Chemistry C</i> , 2014, 118, 24538-24547.	3.1	14
65	Conformational Behavior of Tris(pentafluorophenyl)borane~Benzotriazole Adducts. <i>Organometallics</i> , 2006, 25, 2166-2172.	2.3	13
66	Liquid-crystalline quinoline derivatives. <i>Liquid Crystals</i> , 1987, 2, 625-631.	2.2	12
67	Gas-phase cyclisation reactions of 1-(2-arylamino)phenyl)alkaniminy radicals. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 1833-1838.	0.9	12
68	A study of the gas-phase interconversion of 1-(2-aryloxyphenyl)alkaniminy and 2-(aryliminomethyl)phenoxy radicals. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 1825-1832.	0.9	11
69	Radical allylations by reaction of azides with allylindium dichloride. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 3444.	2.8	10
70	Reactions of 1-(2-alkoxyphenyl)alkaniminy radicals. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 2704-2710.	1.3	9
71	Speciation of Gold Nanoparticles by Ex Situ Extended X-ray Absorption Fine Structure and X-ray Absorption Near Edge Structure. <i>Analytical Chemistry</i> , 2016, 88, 6873-6880.	6.5	9
72	Structure, morphology and magnetic properties of Au/Fe ₃ O ₄ nanocomposites fabricated by a soft aqueous route. <i>Ceramics International</i> , 2019, 45, 449-456.	4.8	9

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73	Conformational Studies by Dynamic NMR. 85.1 Stereomutation of Conformational Atropisomers of <i>o</i> - <i>tert</i> -Butylphenyl Alkyl Ketones. <i>Journal of Organic Chemistry</i> , 2001, 66, 7879-7882.	3.2	8
74	EPR and ENDOR spectroscopic study of the reactions of aromatic azides with gallium trichloride. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 5097.	2.8	8
75	Functionalization of silica through thiol-yne radical chemistry: a catalytic system based on gold nanoparticles supported on amino-sulfide-branched silica. <i>RSC Advances</i> , 2016, 6, 25780-25788.	3.6	8
76	A Cu(II)-MOF Based on a Propargyl Carbamate-Functionalized Isophthalate Ligand as Nitrite Electrochemical Sensor. <i>Sensors</i> , 2021, 21, 4922.	3.8	6
77	Self-condensation of 1-bromo-2-naphthol: mechanism of formation of a 1,4-dinaphthodioxin. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1994, , 1291.	0.9	5
78	Gas-phase generation and cyclisation reactions of imidoyl radicals. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 623-630.	2.8	5
79	A Cu(II)-MOF based on a propargyl carbamate-functionalized isophthalate ligand. <i>RSC Advances</i> , 2021, 11, 20429-20438.	3.6	5
80	Nanocellulose from Cotton Waste and Its Glycidyl Methacrylate Grafting and Allylation: Synthesis, Characterization and Adsorption Properties. <i>Nanomaterials</i> , 2021, 11, 476.	4.1	5
81	Cyclopentadienone- π -NHC iron(0) complexes as low valent electrocatalysts for water oxidation. <i>Catalysis Science and Technology</i> , 2021, 11, 1407-1418.	4.1	4
82	One electron transfer reaction of phenyl vinyl sulfides with dioxygen. The fate of the intermediate vinyl sulfide radical cations. <i>Tetrahedron Letters</i> , 1993, 34, 3595-3598.	1.4	3
83	LDA-promoted decomposition of benzenesulfenamides. A route to aminyl radicals by dioxygen oxidation of lithium amides. <i>Tetrahedron</i> , 1996, 52, 13255-13264.	1.9	3
84	Stereomutation of the Enantiomers of Hindered <i>O</i> -Substituted Oximes. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 3439-3446.	2.4	2
85	Short intramolecular S...O interactions in <i>S</i> -substituted 2-mercaptoacetophenones. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2001, 57, 1174-1176.	0.4	1
86	1D/3D Comparison of Flow Field Simulations Inside an Exhaust-Type Duct. , 2007, , .		1
87	Experimental Validation of a CFD Model to Predict Performance of a Motorbike Silencer. , 2008, , .		1
88	EPR and pulsed ENDOR study of intermediates from reactions of aromatic azides with group 13 metal trichlorides. <i>Beilstein Journal of Organic Chemistry</i> , 2010, 6, 713-725.	2.2	1
89	Intramolecular Cyclization of Acyl Radicals onto the Azido Group: A New Radical Approach to Cyclized Lactams. <i>ChemInform</i> , 2003, 34, no.	0.0	0
90	Cyclizations of <i>N</i> -Stannylaminy Radicals onto Nitriles. <i>ChemInform</i> , 2004, 35, no.	0.0	0

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91	A Novel Tin-Free Procedure for Alkyl Radical Reactions.. ChemInform, 2004, 35, no.	0.0	0
92	Fluid Dynamic Analysis of Ducati 999 Heat Exchangers by Means of Numerical and Experimental Methodologies. , 2007, , .		0
93	Gold nanoparticles as markers for fluorinated surfaces containing embedded amide groups. Applied Surface Science, 2018, 440, 1235-1243.	6.1	0