Davidegaetano Fabbri

List of Publications by Year
in descending order

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87 papers	2,202 citations	201575 27 h-index	265120 42 g-index
93 all docs	93 docs citations	93 times ranked	2149 citing authors

#	Article	IF	Citations
1	Novel atropisomeric phosphorus ligands: 4,5-dihydro-3H-dinaphtho[2,1-c;1â€²,2â€²-e]phosphepine derivatives. Tetrahedron: Asymmetry, 1994, 5, 511-514.	1.8	142
2	Preparation of enantiomerically pure 1,1'-binaphthalene-2,2'-diol and 1,1'-binaphthalene-2,2'-dithiol. Journal of Organic Chemistry, 1993, 58, 1748-1750.	1.7	120
3	Antiproliferative and pro-apoptotic activity of eugenol-related biphenyls on malignant melanoma cells. Molecular Cancer, 2007, 6, 8.	7.9	106
4	Ring-Closing Olefin Metathesis of 2,2â€˜-Divinylbiphenyls:â€‰ A Novel and General Approach to Phenanthrenes. Organic Letters, 2004, 6, 3711-3714.	2.4	103
5	2-Diphenylphosphino-2â€²-diphenylphosphinyl-1,1â€²-binaphthalene (BINAPO), an axially chiral heterobidentate ligand for enantioselective catalysis. Tetrahedron: Asymmetry, 1998, 9, 391-395.	1.8	70
6	Conformational and Configurational Analysis of 4,4â€˜-Biphenanthryl Derivatives and Related Helicenes by Circular Dichroism Spectroscopy and Cholesteric Induction in Nematic Mesophases. Journal of Organic Chemistry, 1996, 61, 2013-2019.	1.7	63
7	Synthesis, Crystal Structure, Dynamic Behavior and Reactivity of Dinaphtho[2,1-b:1',2'-d]phospholes and Related Atropisomeric Phosphacyclic Derivatives. Journal of Organic Chemistry, 1994, 59, 6363-6371.	1.7	60
8	Ceftriaxone Blocks the Polymerization of Î±-Synuclein and Exerts Neuroprotective Effects in Vitro. ACS Chemical Neuroscience, 2014, 5, 30-38.	1.7	60
9	Asymmetric hydroformylation of styrene catalysed by platinum-tin complexes with chiral bis-binaphthophosphole ligands. Journal of Organometallic Chemistry, 1995, 491, 91-96.	0.8	57
10	Small molecules interacting with Î±-synuclein: antiaggregating and cytoprotective properties. Amino Acids, 2013, 45, 327-338.	1.2	52
11	Natural and Natural-like Phenolic Inhibitors of Type B Trichothecene in Vitro Production by the Wheat (Triticum sp.) Pathogen Fusarium culmorum. Journal of Agricultural and Food Chemistry, 2014, 62, 4969-4978.	2.4	50
12	A Widely Applicable Method of Resolution of Binaphthyls: Preparation of Enantiomerically Pure 1,1'-Binaphthalene-2,2'-diol, 1,1'-Binaphthalene-2,2'-dithiol, 2'-Mercapto-1,1'-binaphthalen-2-ol, and 1,1'-Binaphthalene-8,8'-diol. Journal of Organic Chemistry, 1995, 60, 6599-6601.	1.7	48
13	Synthesis of Structurally Modified Atropisomeric Biaryl Dithiols. Observations on the Newman-Kwart Rearrangement. Tetrahedron, 1997, 53, 6073-6084.	1.0	46
14	Antioxidant potential of curcumin-related compounds studied by chemiluminescence kinetics, chain-breaking efficiencies, scavenging activity (ORAC) and DFT calculations. Beilstein Journal of Organic Chemistry, 2015, 11, 1398-1411.	1.3	45
15	Enhanced anti-tumor activity of a new curcumin-related compound against melanoma and neuroblastoma cells. Molecular Cancer, 2010, 9, 137.	7.9	44
16	Opening and Hydrogenation of Dinaphtho[2,1-b:1â€˜,2â€˜-d]thiophene (DNT) by Soluble Rhodium and Iridium Complexes. Homogeneous Hydrogenolysis of DNT to 1,1â€˜-Binaphthalene-2-thiol by Rhodium Catalysis. Organometallics, 1996, 15, 4604-4611.	1.1	39
17	New axially chiral sulfur compounds: Synthesis and conformational stability of enantiopure 4,4â€²-biphenanthrene-3,3â€²-dithiol and related atropisomeric derivatives. Tetrahedron: Asymmetry, 1995, 6, 779-788.	1.8	38
18	BINAPS - An axially chiral P,S-heterodonor ligand for asymmetric catalysis based on binaphthalene backbone. Canadian Journal of Chemistry, 2001, 79, 670-678.	0.6	38

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19	Diels-Alder reactions of 1,2-(1,1'-binaphthalene-2,2'-diyldisulfonyl)ethylene with symmetrical and unsymmetrical dienes. Journal of Organic Chemistry, 1991, 56, 1888-1894.	1.7	35
20	Atropisomeric Binaphthalene-Core Phosphacyclic Derivatives in Coordination Chemistry and Homogeneous Catalysis. Chemische Berichte, 1997, 130, 543-554.	0.2	35
21	Asymmetric hydroformylation of styrene by rhodium(I) catalysts with chiral ligands containing sulfur donors. Journal of the Chemical Society Chemical Communications, 1993, , 1833-1834.	2.0	34
22	Enantiomerically pure 1-(2-methoxy-1-naphthyl) and 1-(2-methylthio-1-naphthyl)isoquinoline: two new axially chiral NO and NS ligands for asymmetric catalysis. Tetrahedron Letters, 1999, 40, 553-556.	0.7	32
23	Synthesis of magnolol and honokiol derivatives and their effect against hepatocarcinoma cells. PLoS ONE, 2018, 13, e0192178.	1.1	32
24	Preparation and resolution of 2,2â€²-dimercapto-6,6â€²-dimethoxy-1,1â€²-biphenyl: a C2-symmetric sulfur building block. Tetrahedron: Asymmetry, 1998, 9, 2819-2826.	1.8	31
25	Honokiol, magnolol and its monoacetyl derivative show strong anti-fungal effect on Fusarium isolates of clinical relevance. PLoS ONE, 2019, 14, e0221249.	1.1	30
26	Alkyl- and arylsubstituted ketenedithioacetal tetroxides: Diels-alder reactivity and reductive desulfonylation of the adducts. Tetrahedron, 1992, 48, 1485-1496.	1.0	29
27	Metal complexes with atropisomeric sulfur ligands in asymmetric hydroformylation X-ray structure of [Rh2(Î¼-biphes)(cod)2] (H2biphes = 4,4â€²-biphenanthrene-3,3â€²-dithiol). Journal of Organometallic Chemistry, 1997, 545-546, 79-87.	0.8	28
28	Synthesis ofP,Pâ€²-Heterotopic Binaphthyldiphosphanes (BINAPPâ€²) Devoid ofC2 Symmetry from 2,2â€²-Binaphthol. European Journal of Organic Chemistry, 2000, 2000, 2861-2865.	1.2	27
29	Enantioselective addition of diethylzinc to benzaldehyde in the presence of sulfur-containing pyridine ligands. Tetrahedron: Asymmetry, 1998, 9, 1933-1940.	1.8	26
30	Access to optically active 2,2â€²-dihydroxy-6,6â€²-dimethoxy-1,1â€²-biphenyl by a simple biocatalytic procedure. Tetrahedron: Asymmetry, 2003, 14, 3267-3270.	1.8	26
31	Protective effects of equimolar mixtures of monomer and dimer of dehydrozingerone with Î±-tocopherol and/or ascorbyl palmitate during bulk lipid autoxidation. Food Chemistry, 2014, 157, 263-274.	4.2	22
32	Dinaphtho[2,1-b; 1â€²,2â€²-d]phospholes: a new class of atropisomeric phosphorus ligands. Journal of the Chemical Society Chemical Communications, 1993, , 1124-1125.	2.0	21
33	Regiocontrolled Synthesis of Enantiopure 3,3â€˜-Thiosubstituted Biphenyls. Journal of Organic Chemistry, 2002, 67, 2019-2026.	1.7	21
34	Molecular changes induced by the curcumin analogue D6 in human melanoma cells. Molecular Cancer, 2013, 12, 37.	7.9	21
35	The Nutraceutical Dehydrozingerone and Its Dimer Counteract Inflammation- and Oxidative Stress-Induced Dysfunction ofIn VitroCultured Human Endothelial Cells: A Novel Perspective for the Prevention and Therapy of Atherosclerosis. Oxidative Medicine and Cellular Longevity, 2016, 2016, 1-12.	1.9	21
36	Low electro-synthesis potentials improve permselectivity of polymerized natural phenols in biosensor applications. Talanta, 2017, 162, 151-158.	2.9	21

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37	Two new efficient preparations of enantiopure 2,2â€²-dihydroxy-6,6â€²-dimethoxy-1,1â€²-biphenyl. Tetrahedron: Asymmetry, 1997, 8, 759-763.	1.8	20
38	Synthesis, Structure, and Dynamic Behaviour of Transition Metal Chelate Complexes with Atropisomeric Dithioether Ligands. European Journal of Inorganic Chemistry, 1998, 1998, 113-118.	1.0	20
39	Hydroxylated biphenyls as tyrosinase inhibitor: A spectrophotometric and electrochemical study. European Journal of Medicinal Chemistry, 2017, 126, 1034-1038.	2.6	20
40	Electroactive C2 Symmetry Receptors Based on the Biphenyl Scaffold and Tetrathiafulvalene Units. Journal of Organic Chemistry, 2006, 71, 9096-9103.	1.7	19
41	Regioselective halogenation of biphenyls for preparation of valuable polyhydroxylated biphenyls and diquinones. Tetrahedron, 2006, 62, 635-639.	1.0	19
42	Electropolymerized phenol derivatives as permselective polymers for biosensor applications. Analyst, The, 2015, 140, 3607-3615.	1.7	18
43	A RAPID PREPARATION OF 2,2â€²-DIMERCAPTOBIPHENYL. Organic Preparations and Procedures International, 1991, 23, 455-457.	0.6	17
44	C 2-Symmetry-Chiral Ketene Dithioacetals Derived from 1,1â€² -Binaphthalene-2,2â€² -dithiol: Diastereoselective Diels-Alder Reaction of theS-Oxides to Cyclopentadiene. Synlett, 1991, 1991, 565-568.	1.0	17
45	Thiophosphonates of 1,1-binaphthol as chiral equivalents of H2S. Preparation of 2-mercaptonorbornanes and 2-mercaptonorbornenes. Tetrahedron: Asymmetry, 1993, 4, 1591-1596.	1.8	17
46	Stereoselective oxazaborolidineâ€“borane reduction of biphenyl alkyl ketones. Tetrahedron: Asymmetry, 2002, 13, 891-898.	1.8	17
47	Synthesis of 1,1â€²-Dibenzo- and 1,1â€²-Dinaphtho-2,2â€²-Dithiols from the Respective Thiophenes. Synthetic Communications, 1989, 19, 3431-3435.	1.1	16
48	Atropisomeric diaryl-core phosphole ligands: PdII and PtII complexes with P-phenyl dinaphthophosphole. Journal of Organometallic Chemistry, 1994, 475, 307-315.	0.8	16
49	Synthesis of new ferrocenyl dehydrozingerone derivatives and their effects on viability of PC12 cells. Polyhedron, 2016, 117, 80-89.	1.0	16
50	Chiral nonracemic C2-symmetry biphenyls by desymmetrization of 6,6â€²,2,2â€²-tetramethoxy-1,1â€²-biphenyl. Tetrahedron: Asymmetry, 2000, 11, 4417-4427.	1.8	15
51	Structural Characterization of Imazalil/Î²-Cyclodextrin Inclusion Complex. Journal of Agricultural and Food Chemistry, 2004, 52, 1590-1593.	2.4	15
52	Naturally Occurring Phenols Modulate Vegetative Growth and Deoxynivalenol Biosynthesis in Fusarium graminearum. ACS Omega, 2020, 5, 29407-29415.	1.6	15
53	High-Performance Liquid Chromatographic Enantioseparation of Atropisomeric Biphenyls on Seven Chiral Stationary Phases. Current Organic Chemistry, 2011, 15, 1208-1229.	0.9	15
54	Characterization and biotransformation in the plasma and red blood cells of VIVO2+ complexes formed by ceftriaxone. Journal of Inorganic Biochemistry, 2015, 147, 71-84.	1.5	14

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55	Ethylenebis(sulfonyl)-bridged 1,1â€²-Binaphthalene, an Atropisomeric Dienophile for Highly Diastereoselective Diels-Alder Reactions. Angewandte Chemie International Edition in English, 1989, 28, 766-767.	4.4	12
56	C2-Symmetric sulfur derivatives of 2,2â€²,3,3â€²-tetramethoxybiphenyl. Tetrahedron: Asymmetry, 2001, 12, 1451-1458.	1.8	12
57	Synthesis and biocatalytic resolution of a new atropisomeric thiobiphenyl: (2,2â€²,6,6â€²-tetramethoxybiphenyl-3,3â€²-diyl)dimethanethiol. Tetrahedron: Asymmetry, 2005, 16, 1079-1084.	1.8	12
58	Natural Chain-Breaking Antioxidants and Their Synthetic Analogs as Modulators of Oxidative Stress. Antioxidants, 2021, 10, 624.	2.2	12
59	1,2-bis(ARYLSULFONYL)ALKENES. A REVIEW. Organic Preparations and Procedures International, 1991, 23, 571-592.	0.6	11
60	Phthalimidesulfenyl chloride part 13.1 3,3â€²-regioselective thiofunctionalization of atropisomeric 2,2â€²-biphenols. Tetrahedron Letters, 1999, 40, 4421-4424.	0.7	11
61	Synthesis of Atropisomeric Heterotopic S-Donor Ligands through Asymmetrization of C2-Symmetry 2,2â€™-Disubstituted 1,1â€™-Binaphthalene Derivatives. Synlett, 1996, 1996, 1054-1056.	1.0	10
62	C₂ SYMMETRY-ENANTIOPURE PHOSPHORO-THIOATES AND PHOSPHOROTHIOAMIDATES STARTING FROM 2,2â€²,6,6â€²-BIPHENYLTETROL. Phosphorus, Sulfur and Silicon and the Related Elements, 1997, 128, 31-44.	0.8	10
63	Enantiopure 2,2â€²-dihydroxy-3,3â€²-dimethoxy-5,5â€²-diallyl-6,6â€²-dibromo-1,1â€²-biphenyl: a conformationally stable C2-dimer of a eugenol derivative. Tetrahedron: Asymmetry, 2004, 15, 275-282.	1.8	10
64	Synthesis and Studies of the Inhibitory Effect of Hydroxylated Phenylpropanoids and Biphenols Derivatives on Tyrosinase and Laccase Enzymes. Molecules, 2020, 25, 2709.	1.7	10
65	Anticancer Activity of Two Novel Hydroxylated Biphenyl Compounds toward Malignant Melanoma Cells. International Journal of Molecular Sciences, 2021, 22, 5636.	1.8	10
66	syn and anti Cycloaddition of singlet oxygen to bisdialine. Journal of the Chemical Society Chemical Communications, 1995, , 1887-1888.	2.0	9
67	Enantiopure atropisomeric phosphorothioates and phosphorothioamidates. Tetrahedron: Asymmetry, 1996, 7, 413-416.	1.8	9
68	Protein expression changes induced in a malignant melanoma cell line by the curcumin analogue compound D6. BMC Cancer, 2016, 16, 317.	1.1	8
69	6,6â€²-Dibromo-3,3â€²-dimethoxy-2,2â€²-dihydroxy-1,1â€²-biphenyl: preparation and resolution. Tetrahedron: Asymmetry, 2000, 11, 1827-1833.	1.8	7
70	Palladium(0)-Catalyzed Allylation of 2,2â€²-Dihydroxybiphenyl by 1-Ethenylcyclopropyl Sulfonates: Preparation of 2,2â€²-Bis(cyclopropylideneethoxy) biphenyls. Synthesis, 2002, 2002, 2271-2279.	1.2	7
71	Antioxidant properties of novel curcumin analogues: A combined experimental and computational study. Journal of Food Biochemistry, 2021, 45, e13584.	1.2	7
72	Torsional angles in 6,6â€²-bridged atropoisomeric biphenyls control the electrophilic substitution with phthalimidesulfenyl chloride. Tetrahedron, 2003, 59, 2131-2136.	1.0	6

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73	Hydroxylated biphenyl derivatives are positive modulators of human GABAA receptors. European Journal of Pharmacology, 2012, 693, 45-50.	1.7	6
74	4-Substituted-2-Methoxyphenol: Suitable Building Block to Prepare New Bioactive Natural-like Hydroxylated Biphenyls. Letters in Drug Design and Discovery, 2014, 12, 131-139.	0.4	6
75	Use of Î²-cyclodextrin as enhancer of ascorbic acid rejection in permselective films for amperometric biosensor applications. Talanta, 2018, 186, 53-59.	2.9	6
76	Desymmetrization of 2,2â€²,6,6â€²-tetramethoxybiphenyl by regioselective sulfenylation reaction. Tetrahedron: Asymmetry, 2001, 12, 3313-3317.	1.8	5
77	Association between olfactory sensitivity and behavioral responses of Drosophila suzukii to naturally occurring volatile compounds. Archives of Insect Biochemistry and Physiology, 2020, 104, e21669.	0.6	5
78	2,2â€²-Dihydroxy-3,3â€²-dimethoxy-5,5â€²-dimethyl-6,6â€²-dibromo-1,1â€²-biphenyl: preparation, resolution, structure and biological activity. Tetrahedron: Asymmetry, 2007, 18, 414-423.	1.8	4
79	Antamanide Analogs as Potential Inhibitors of Tyrosinase. International Journal of Molecular Sciences, 2022, 23, 6240.	1.8	4
80	Synthesis of Hydroxylated Biphenyl Derivatives Bearing an Î±,Î²â€‰Unsaturated Ketone as a Lead Structure for the Development of Drug Candidates against Malignant Melanoma. ChemMedChem, 2021, 16, 1022-1033.	1.6	3
81	Prenylated Trans-Cinnamic Esters and Ethers against Clinical Fusarium spp.: Repositioning of Natural Compounds in Antimicrobial Discovery. Molecules, 2021, 26, 658.	1.7	3
82	Antiradical and Antioxidant Activities of New Natural-like Hydroxylated Biphenyls of Dehydrozingerone, Zingerone and Ferulic Acid. Comptes Rendus De L'Academie Bulgare Des Sciences, 2013, 66, .	0.1	3
83	Condensation Of Chiral 1,3-Oxazolidines With Cathecol and 4,4'-Dibromobiphenol: New Enantiopure Polydentate Ligands With C2-Symmetry. Synthetic Communications, 1999, 29, 2007-2012.	1.1	2
84	Lipase behavior in the stereoselective transesterification of zingerol-like derivatives and related biphenyls. Journal of Molecular Catalysis B: Enzymatic, 2013, 90, 107-113.	1.8	2
85	Letters in Organic Chemistry [Diethylzinc-Mediated Allylation of Natural Biphenyls by -1,1-Dimethyleneallylpalladium Complexes]. Letters in Organic Chemistry, 2005, 2, 214-218.	0.2	1
86	Palladium(0)-Catalyzed Allylation of 2,2â€²-Dihydroxybiphenyl by 1-Ethenylcyclopropyl Sulfonates: Preparation of 2,2â€²-Bis(cyclopropylideneethoxy)biphenyls.. ChemInform, 2003, 34, no.	0.1	0
87	Ring-Closing Olefin Metathesis of 2,2?-Divinylbiphenyls: A Novel and General Approach to Phenanthrenes.. ChemInform, 2005, 36, no.	0.1	0