

Silvia Cauteruccio

List of Publications by Year in descending order

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48
papers

2,082
citations

304602

22
h-index

233338

45
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63
all docs

63
docs citations

63
times ranked

1986
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and biological activity of vicinal diaryl-substituted 1H-imidazoles. <i>Tetrahedron</i> , 2007, 63, 4571-4624.	1.0	233
2	Palladium- and Copper-Mediated Direct C-2 Arylation of Azoles " Including Free (NH)-Imidazole, -Benzimidazole and -Indole " Under Base-Free and Ligandless Conditions. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 1379-1382.	1.2	212
3	Efficient and highly regioselective direct C-2 arylation of azoles, including free (NH)-imidazole, -benzimidazole and -indole, with aryl halides. <i>Tetrahedron</i> , 2007, 63, 1970-1980.	1.0	198
4	Regioselective Synthesis of 1,5-Diaryl-1H-imidazoles by Palladium-Catalyzed Direct Arylation of 1-Aryl-1H-imidazoles. <i>Journal of Organic Chemistry</i> , 2005, 70, 3997-4005.	1.7	119
5	Novel imidazole-based combretastatin A-4 analogues: Evaluation of their in vitro antitumor activity and molecular modeling study of their binding to the colchicine site of tubulin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 5757-5762.	1.0	112
6	Highly selective synthesis of 4(5)-aryl-, 2,4(5)-diaryl-, and 4,5-diaryl-1H-imidazoles via Pd-catalyzed direct C-5 arylation of 1-benzyl-1H-imidazole. <i>Tetrahedron</i> , 2008, 64, 6060-6072.	1.0	102
7	Regiocontrolled Synthesis of 1,2-Diaryl-1H-imidazoles by Palladium- and Copper-Mediated Direct Coupling of 1-Aryl-1H-imidazoles with Aryl Halides under Ligandless Conditions. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 693-703.	1.2	100
8	Efficient and Practical Synthesis of 4(5)-Aryl-1H-imidazoles and 2,4(5)-Diaryl-1H-imidazoles via Highly Selective Palladium-Catalyzed Arylation Reactions. <i>Journal of Organic Chemistry</i> , 2007, 72, 8543-8546.	1.7	87
9	Regioselective Synthesis of 4,5-Diaryl-1-methyl-1H-imidazoles Including Highly Cytotoxic Derivatives by Pd-Catalyzed Direct C-5 Arylation of 1-Methyl-1H-imidazole with Aryl Bromides. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 5436-5445.	1.2	84
10	Phosphathiahelicenes: Synthesis and Uses in Enantioselective Gold Catalysis. <i>Chemistry - A European Journal</i> , 2014, 20, 12373-12376.	1.7	82
11	Development and Application of Effective Protocols for the Synthesis of Arylheteroarenes and Biheteroaryls, Including Bioactive Derivatives, by Highly Regioselective Transition Metal-Catalyzed Direct Intermolecular Arylation Reactions of Five-Membered Heteroarenes with (Hetero)aryl Halides. <i>Current Organic Chemistry</i> , 2008, 12, 774-790.	0.9	77
12	Alkylsulfanyl-1,2,4-triazoles, a New Class of Allosteric Valosine Containing Protein Inhibitors. Synthesis and Structure-Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 437-450.	2.9	76
13	Gold(I) Complexes of Tetrathiaheterohelicene Phosphanes. <i>Inorganic Chemistry</i> , 2013, 52, 7995-8004.	1.9	63
14	Tetrathiaheterohelicene Phosphanes as Helical-Shaped Chiral Ligands for Catalysis. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5649-5658.	1.2	62
15	The synthesis of substituted phosphathiahelicenes via regioselective bromination of a preformed helical scaffold: a new approach to modular ligands for enantioselective gold-catalysis. <i>Chemical Communications</i> , 2016, 52, 10984-10987.	2.2	47
16	Selective, Efficient and Functional Group-Tolerant CuOAc-Mediated N-Arylation of 1H-Indoles and 9H-Carbazole with Aryl Iodides Under Base-Free and Ligandless Conditions. <i>European Journal of Organic Chemistry</i> , 2007, 2007, 2147-2151.	1.2	43
17	Thiahelicene-based inherently chiral films for enantioselective electroanalysis. <i>Chemical Science</i> , 2019, 10, 1539-1548.	3.7	36
18	Synthesis, Characterisation, and Organocatalytic Activity of Chiral Tetrathiahelicene Diphosphine Oxides. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 2694-2702.	1.2	34

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19	Enantioselective Synthesis of Dithia[5]helicenes and their Postsynthetic Functionalization to Access Dithia[9]helicenes. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	26
20	Thiahelicenes. <i>Advances in Heterocyclic Chemistry</i> , 2016, 118, 1-46.	0.9	25
21	Programmed Transfer of Sequence Information into a Molecularly Imprinted Polymer for Hexakis(2,2- β -bithien-5-yl) DNA Analogue Formation toward Single-Nucleotide-Polymorphism Detection. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3948-3958.	4.0	25
22	Oligonucleotide Determination via Peptide Nucleic Acid Macromolecular Imprinting in an Electropolymerized CG-Rich Artificial Oligomer Analogue. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 27562-27569.	4.0	25
23	Synthesis, Photophysics, and Electrochemistry of Tetra(2- β -thienyl)ethylene (TTE) Derivatives. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 7489-7499.	1.2	23
24	Ligand-Free Suzuki-Miyaura Cross-Coupling Reactions in Deep Eutectic Solvents: Synthesis of Benzodithiophene Derivatives and Study of their Optical and Electrochemical Performance. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 6981-6988.	1.2	20
25	Chiral Thiahelicene-Based Alkyl Phosphine-Borane Complexes: Synthesis, X-ray Characterization, and Theoretical and Experimental Investigations of Optical Properties. <i>Journal of Organic Chemistry</i> , 2015, 80, 3921-3928.	1.7	18
26	Tetrathia[7]helicene Phosphorus Derivatives: Experimental and Theoretical Investigations of Electronic Properties, and Preliminary Applications as Organocatalysts. <i>Asian Journal of Organic Chemistry</i> , 2016, 5, 537-549.	1.3	18
27	Thiahelicene-grafted halloysite nanotubes: Characterization, biological studies and pH triggered release. <i>Applied Surface Science</i> , 2020, 520, 146351.	3.1	16
28	Nanocarrier based on halloysite and fluorescent probe for intracellular delivery of peptide nucleic acids. <i>Journal of Colloid and Interface Science</i> , 2022, 620, 221-233.	5.0	15
29	An unconventional helical push-pull system for solar cells. <i>Dyes and Pigments</i> , 2019, 161, 382-388.	2.0	12
30	A Nanostructured PLGA System for Cell Delivery of a Tetrathiahelicene as a Model for Helical DNA Intercalators. <i>ChemPlusChem</i> , 2015, 80, 490-493.	1.3	11
31	Dirhenium Coordination Complex Endowed with an Intrinsically Chiral Helical-Shaped Diphosphine Oxide. <i>ACS Omega</i> , 2018, 3, 11649-11654.	1.6	11
32	Diversified Syntheses of Tetrathia[7]helicenes by Metal-Catalyzed Cross-Coupling Reactions. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 383-395.	1.2	9
33	A non-photochemical route to synthesize simple benzo[1,2-b:4,3-b']dithiophenes: FeCl ₃ -mediated cyclization of dithienyl ethenes. <i>New Journal of Chemistry</i> , 2014, 38, 2241-2244.	1.4	8
34	Comparison of Ullmann/RCM and Ullmann/Bis-hydrazone Coupling Reactions; New Access to Benzodithiophenes for Dye-Sensitized Solar Cell and Thiahelicene Applications. <i>Synlett</i> , 2014, 25, 701-707.	1.0	7
35	miR-7 Knockdown by Peptide Nucleic Acids in the Ascidian <i>Ciona intestinalis</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 5127.	1.8	7
36	Synthesis of polymers containing regularly distributed tetrathia[7]helicene units along the backbone. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4704-4710.	2.5	6

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37	Magnetic Iron Oxide Nanoparticle Functionalization: Isocyanate Moiety as a Suitable Monodentate Anchoring Group. <i>Organic Letters</i> , 2014, 16, 460-463.	2.4	6
38	Modifying the properties of organic molecules by conjugation with metal complexes: The case of peptide nucleic acids and of the intrinsically chiral thiahelicenes. <i>Coordination Chemistry Reviews</i> , 2019, 386, 119-137.	9.5	5
39	Synthesis, Stereochemical and Photophysical Properties of Functionalized Thiahelicenes. <i>Catalysts</i> , 2022, 12, 366.	1.6	5
40	Fischer carbene mediated covalent grafting of a peptide nucleic acid on gold surfaces and IR optical detection of DNA hybridization with a transition metalcarbonyl label. <i>Applied Surface Science</i> , 2016, 385, 47-55.	3.1	4
41	Benzodithienyl Silanes for Organic Electronics: AIE Solid-State Blue Emitters and High Triplet Energy Charge-Transport Materials. <i>Advanced Optical Materials</i> , 2020, 8, 2001018.	3.6	4
42	Helical push-pull systems for solar cells: Electrochemical, computational, photovoltaic and NMR data. <i>Data in Brief</i> , 2018, 21, 2339-2349.	0.5	3
43	Acid-base and lipophilic properties of peptide nucleic acid derivatives. <i>Journal of Pharmaceutical Analysis</i> , 2021, 11, 638-645.	2.4	2
44	Exploring miR-9 Involvement in <i>Ciona intestinalis</i> Neural Development Using Peptide Nucleic Acids. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2001.	1.8	2
45	Is it possible to study the kinetic parameters of interaction between PNA and parallel and antiparallel DNA by stopped-flow fluorescence?. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, 296-302.	1.7	1
46	Regioselective Synthesis of 1,5-Diaryl-1H-imidazoles by Palladium-Catalyzed Direct Arylation of 1-Aryl-1H-imidazoles.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
47	Chiral bis(benzo[1,2-b:4,3-b'']dithiophene) atropisomers: experimental and theoretical investigations of the stereochemical and chiroptical properties. <i>New Journal of Chemistry</i> , 2021, 45, 16442-16451.	1.4	0
48	Enantioselective Synthesis of Dithia[5]helicenes and their Postsynthetic Functionalization to Access Dithia[9]helicenes. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0