Silvia Cauteruccio

List of Publications by Year
in descending order

48	2,082	304602	233338
papers	citations	22 h-index	45 g-index

63	63	63	1986
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis, Stereochemical and Photophysical Properties of Functionalized Thiahelicenes. Catalysts, 2022, 12, 366.	1.6	5
2	Nanocarrier based on halloysite and fluorescent probe for intracellular delivery of peptide nucleic acids. Journal of Colloid and Interface Science, 2022, 620, 221-233.	5.0	15
3	Enantioselective Synthesis of Dithia[5]helicenes and their Postsynthetic Functionalization to Access Dithia[9]helicenes. Angewandte Chemie - International Edition, 2022, 61, .	7.2	26
4	Enantioselective Synthesis of Dithia[5]helicenes and their Postsynthetic Functionalization to Access Dithia[9]helicenes. Angewandte Chemie, 2022, 134, .	1.6	0
5	Acid-base and lipophilic properties of peptide nucleic acid derivatives. Journal of Pharmaceutical Analysis, 2021, 11, 638-645.	2.4	2
6	Diversified Syntheses of Tetrathia[7]helicenes by Metalâ€Catalyzed Crossâ€Coupling Reactions. European Journal of Organic Chemistry, 2021, 2021, 383-395.	1.2	9
7	Chiral bis(benzo[1,2-b:4,3-bâ€²]dithiophene) atropisomers: experimental and theoretical investigations of the stereochemical and chiroptical properties. New Journal of Chemistry, 2021, 45, 16442-16451.	1.4	0
8	Ligandâ€Free Suzukiâ€“Miyaura Crossâ€Coupling Reactions in Deep Eutectic Solvents: Synthesis of Benzodithiophene Derivatives and Study of their Optical and Electrochemical Performance. European Journal of Organic Chemistry, 2020, 2020, 6981-6988.	1.2	20
9	Benzodithienyl Silanes for Organic Electronics: AIE Solidâ€State Blue Emitters and High Triplet Energy Chargeâ€Transport Materials. Advanced Optical Materials, 2020, 8, 2001018.	3.6	4
10	Exploring miR-9 Involvement in Ciona intestinalis Neural Development Using Peptide Nucleic Acids. International Journal of Molecular Sciences, 2020, 21, 2001.	1.8	2
11	Thiahelicene-grafted halloysite nanotubes: Characterization, biological studies and pH triggered release. Applied Surface Science, 2020, 520, 146351.	3.1	16
12	miR-7 Knockdown by Peptide Nucleic Acids in the Ascidian Ciona intestinalis. International Journal of Molecular Sciences, 2019, 20, 5127.	1.8	7
13	Thiahelicene-based inherently chiral films for enantioselective electroanalysis. Chemical Science, 2019, 10, 1539-1548.	3.7	36
14	Modifying the properties of organic molecules by conjugation with metal complexes: The case of peptide nucleic acids and of the intrinsically chiral thiahelicenes. Coordination Chemistry Reviews, 2019, 386, 119-137.	9.5	5
15	An unconventional helical push-pull system for solar cells. Dyes and Pigments, 2019, 161, 382-388.	2.0	12
16	Helical push-pull systems for solar cells: Electrochemical, computational, photovoltaic and NMR data. Data in Brief, 2018, 21, 2339-2349.	0.5	3
17	Dirhenium Coordination Complex Endowed with an Intrinsically Chiral Helical-Shaped Diphosphine Oxide. ACS Omega, 2018, 3, 11649-11654.	1.6	11
18	Oligonucleotide Determination via Peptide Nucleic Acid Macromolecular Imprinting in an Electropolymerized CG-Rich Artificial Oligomer Analogue. ACS Applied Materials & Interfaces, 2018, 10, 27562-27569.	4.0	25

#	Article	IF	Citations
19	Programmed Transfer of Sequence Information into a Molecularly Imprinted Polymer for Hexakis(2,2â€²-bithien-5-yl) DNA Analogue Formation toward Single-Nucleotide-Polymorphism Detection. ACS Applied Materials & Interfaces, 2017, 9, 3948-3958.	4.0	25
20	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. Applied Surface Science, 2016, 385, 47-55.	3.1	4
21	Is it possible to study the kinetic parameters of interaction between PNA and parallel and antiparallel DNA by stopped-flow fluorescence?. Journal of Photochemistry and Photobiology B: Biology, 2016, 163, 296-302.	1.7	1
22	The synthesis of substituted phosphathiahelicenes via regioselective bromination of a preformed helical scaffold: a new approach to modular ligands for enantioselective gold-catalysis. Chemical Communications, 2016, 52, 10984-10987.	2.2	47
23	Tetrathia[7]helicene Phosphorus Derivatives: Experimental and Theoretical Investigations of Electronic Properties, and Preliminary Applications as Organocatalysts. Asian Journal of Organic Chemistry, 2016, 5, 537-549.	1.3	18
24	Thiahelicenes. Advances in Heterocyclic Chemistry, 2016, 118, 1-46.	0.9	25
25	Chiral Thiahelicene-Based Alkyl Phosphineâ€“Borane Complexes: Synthesis, X-ray Characterization, and Theoretical and Experimental Investigations of Optical Properties. Journal of Organic Chemistry, 2015, 80, 3921-3928.	1.7	18
26	A Nanostructured PLGA System for Cell Delivery of a Tetrathiahelicene as a Model for Helical DNA Intercalators. ChemPlusChem, 2015, 80, 490-493.	1.3	11
27	Comparison of Ullmann/RCM and Ullmann/Bis-hydrazone Coupling Reactions; New Access to Benzodithiophenes for Dye-Sensitized Solar Cell and Thiahelicene Applications. Synlett, 2014, 25, 701-707.	1.0	7
28	Synthesis, Characterisation, and Organocatalytic Activity of Chiral Tetrathiahelicene Diphosphine Oxides. European Journal of Organic Chemistry, 2014, 2014, 2694-2702.	1.2	34
29	Magnetic Iron Oxide Nanoparticle Functionalization: Isocyanate Moiety as a Suitable Monodentate Anchoring Group. Organic Letters, 2014, 16, 460-463.	2.4	6
30	Phosphathiahelicenes: Synthesis and Uses in Enantioselective Gold Catalysis. Chemistry - A European Journal, 2014, 20, 12373-12376.	1.7	82
31	A non-photochemical route to synthesize simple benzo[1,2-b:4,3-bâ€²]dithiophenes: FeCl3-mediated cyclization of dithienyl ethenes. New Journal of Chemistry, 2014, 38, 2241-2244.	1.4	8
32	Synthesis, Photophysics, and Electrochemistry of Tetra(2â€thienyl)ethylene (TTE) Derivatives. European Journal of Organic Chemistry, 2013, 2013, 7489-7499.	1.2	23
33	Alkylsulfanyl-1,2,4-triazoles, a New Class of Allosteric Valosine Containing Protein Inhibitors. Synthesis and Structureâ€“Activity Relationships. Journal of Medicinal Chemistry, 2013, 56, 437-450.	2.9	76
34	Gold(I) Complexes of Tetrathiaheterohelicene Phosphanes. Inorganic Chemistry, 2013, 52, 7995-8004.	1.9	63
35	Tetrathiaheterohelicene Phosphanes as Helicalâ€Shaped Chiral Ligands for Catalysis. European Journal of Organic Chemistry, 2011, 2011, 5649-5658.	1.2	62
36	Synthesis of polymers containing regularly distributed tetrathiaâ€[7]â€elicene units along the backbone. Journal of Polymer Science Part A, 2010, 48, 4704-4710.	2.5	6

#	Article	IF	Citations
37	Regioselective Synthesis of 4,5â€Diarylâ€1â€methylâ€1Hâ€imidazoles Including Highly Cytotoxic Derivatives by Pdâ€Catalyzed Direct Câ€5 Arylation of 1â€Methylâ€1Hâ€imidazole with Aryl Bromides. European Journal of Organic Chemistry, 2008, 2008, 5436-5445.	1.2	84
38	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. Tetrahedron, 2008, 64, 6060-6072.	1.0	102
39	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. Current Organic Chemistry, 2008, 12, 774-790.	0.9	77
40	Efficient and Practical Synthesis of 4(5)-Aryl-1H-imidazoles and 2,4(5)-Diaryl-1H-imidazoles via Highly Selective Palladium-Catalyzed Arylation Reactions. Journal of Organic Chemistry, 2007, 72, 8543-8546.	1.7	87
41	Selective, Efficient and Functional Group-Tolerant CuOAc-MediatedN-Arylation of 1H-Indoles and 9H-Carbazole with Aryl Iodides Under Base-Free and Ligandless Conditions. European Journal of Organic Chemistry, 2007, 2007, 2147-2151.	1.2	43
42	Efficient and highly regioselective direct C-2 arylation of azoles, including free (NH)-imidazole, -benzimidazole and -indole, with aryl halides. Tetrahedron, 2007, 63, 1970-1980.	1.0	198
43	Synthesis and biological activity of vicinal diaryl-substituted 1H-imidazoles. Tetrahedron, 2007, 63, 4571-4624.	1.0	233
44	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. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5757-5762.	1.0	112
45	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. European Journal of Organic Chemistry, 2006, 2006, 693-703.	1.2	100
46	Palladium- and Copper-Mediated Direct C-2 Arylation of Azoles â€" Including Free (NH)-Imidazole, -Benzimidazole and -Indole â€" Under Base-Free and Ligandless Conditions. European Journal of Organic Chemistry, 2006, 2006, 1379-1382.	1.2	212
47	Regioselective Synthesis of 1,5-Diaryl-1H-imidazoles by Palladium-Catalyzed Direct Arylation of 1-Aryl-1H-imidazoles.. ChemInform, 2005, 36, no.	0.1	0
48	Regioselective Synthesis of 1,5-Diaryl-1H-imidazoles by Palladium-Catalyzed Direct Arylation of 1-Aryl-1H-imidazoles. Journal of Organic Chemistry, 2005, 70, 3997-4005.	1.7	119