

Alessandra Silvani

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Grignard Addition to Imines Derived from Isatine: A Method for the Asymmetric Synthesis of Quaternary 3-Aminooxindoles. <i>Journal of Organic Chemistry</i> , 2009, 74, 4537-4541.	3.2	93
2	Chemical approaches to targeting drug resistance in cancer stem cells. <i>Drug Discovery Today</i> , 2014, 19, 1547-1562.	6.4	90
3	Remote Stereocenter Discrimination in the Enzymatic Resolution of Piperidine-2-ethanol. Short Enantioselective Synthesis of Sedamine and Allosedamine. <i>Journal of Organic Chemistry</i> , 2003, 68, 9525-9527.	3.2	69
4	Cellulose nanofibrils as reinforcing agents for PLA-based nanocomposites: An in situ approach. <i>Composites Science and Technology</i> , 2019, 171, 94-102.	7.8	64
5	Thiocolchicine-Podophyllotoxin Conjugates: Dynamic Libraries Based on Disulfide Exchange Reaction. <i>Journal of Organic Chemistry</i> , 2006, 71, 2848-2853.	3.2	61
6	Inhibitors of tubulin polymerization: Synthesis and biological evaluation of hybrids of vindoline, anhydrovinblastine and vinorelbine with thiocolchicine, podophyllotoxin and baccatin III. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6269-6285.	3.0	56
7	Total Enantioselective Synthesis of (S)-Cytisine. <i>Organic Letters</i> , 2004, 6, 493-496.	4.6	51
8	Addition of TMSCN to chiral ketimines derived from isatin. Synthesis of an oxindole-based peptidomimetic and a bioactive spirohydantoin. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5515.	2.8	51
9	Organocatalytic Asymmetric Biginelli-like Reaction Involving Isatin. <i>Journal of Organic Chemistry</i> , 2016, 81, 1877-1884.	3.2	48
10	Application of the Pd-catalyzed heteroarylation to the synthesis of 5-(indol-2-yl)pyridin-2-one and 5-(indol-2-yl)pyran-2-one. <i>Tetrahedron</i> , 1998, 54, 14081-14088.	1.9	46
11	Olefin Metathesis Based Approach to Diversely Functionalized Pyrrolizidines and Indolizidines; Total Synthesis of (+)-Monomorine. <i>Journal of Organic Chemistry</i> , 2009, 74, 590-596.	3.2	44
12	Enzyme assisted enantioselective synthesis of the alkaloid (+)-aloperine. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 2921-2925.	1.8	43
13	Synthesis of enantiopure diamine ligands related to sparteine, via scandium triflate-catalyzed imino Diels-Alder reactions. <i>Tetrahedron Letters</i> , 2002, 43, 7155-7158.	1.4	42
14	Disrupting the PCSK9/LDLR protein-protein interaction by an imidazole-based minimalist peptidomimetic. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 9736-9740.	2.8	42
15	<i>N</i> -(2-methyl-5-(triazol-1-yl)phenyl)pyrimidin-2-amine as a Scaffold for the Synthesis of Inhibitors of Bcr-Abl. <i>ChemMedChem</i> , 2011, 6, 2009-2018.	3.2	41
16	The spiro piperidine-3,3-oxindole scaffold: a type II β -turn peptide isostere. <i>Tetrahedron</i> , 2010, 66, 4474-4478.	1.9	40
17	Cannabinoid-free <i>Cannabis sativa</i> L. grown in the Po valley: evaluation of fatty acid profile, antioxidant capacity and metabolic content. <i>Natural Product Research</i> , 2014, 28, 1801-1807.	1.8	39
18	Poly lactide/cellulose nanocrystals: The in situ polymerization approach to improved nanocomposites. <i>European Polymer Journal</i> , 2017, 94, 173-184.	5.4	36

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19	Short enantioselective synthesis of sedridines, ethylnorlobelols and coniine via reagent-based differentiation. <i>Tetrahedron: Asymmetry</i> , 2005, 16, 2225-2229.	1.8	34
20	New class of squalene-based releasable nanoassemblies of paclitaxel, podophyllotoxin, camptothecin and epothilone A. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 179-190.	5.5	34
21	Aspidosperma alkaloids cyclization of secodine intermediate: Synthesis of (±)-3-oxovincadifformine ethyl ester.. <i>Tetrahedron</i> , 1994, 50, 6941-6954.	1.9	32
22	Boehmeriasin A as new lead compound for the inhibition of topoisomerases and SIRT2. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 766-775.	5.5	32
23	Highly diastereoselective entry into chiral spirooxindole-based 4-methyleneazetidines via formal [2+2] annulation reaction. <i>Chemical Communications</i> , 2016, 52, 11575-11578.	4.1	31
24	One-Pot Synthesis of Sustainable High-Performance Thermoset by Exploiting Eugenol Functionalized 1,3-Dioxolan-4-one. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 15201-15211.	6.7	31
25	Spirooxindoles via 1,3-dipolar cycloadditions. A decade update. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1653-1675.	2.4	30
26	Highly Enantiopure C1-Symmetric cis-Piperidine-3,5-dimethanol Monoacetates by Enzymatic Asymmetrization. <i>Journal of Organic Chemistry</i> , 1998, 63, 3492-3496.	3.2	29
27	Ugi 4-CR/Pictet-Spengler reaction as a short route to tryptophan-derived peptidomimetics. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 9004.	2.8	29
28	Computationally Driven Structure Optimization, Synthesis, and Biological Evaluation of Imidazole-Based Proprotein Convertase Subtilisin/Kexin 9 (PCSK9) Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6163-6174.	6.4	29
29	Concise asymmetric synthesis of (±)-halosaline and (2R,9aR)-(+)-2-hydroxy-quinolizidine by ruthenium-catalyzed ring-rearrangement metathesis. <i>Tetrahedron</i> , 2004, 60, 6437-6442.	1.9	27
30	Asymmetric Ugi 3CR on isatin-derived ketimine: synthesis of chiral 3,3-disubstituted 3-aminooxindole derivatives. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1383-1389.	2.2	27
31	Chiral diamines for asymmetric synthesis: an efficient RCM construction of the ligand core of (±)- and (+)-sparteine. <i>Tetrahedron Letters</i> , 2005, 46, 7121-7123.	1.4	26
32	Quinazolinecarboline alkaloid evodiamine as scaffold for targeting topoisomerase I and sirtuins. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 6920-6928.	3.0	26
33	New solution free and polymer anchored chiral bispidine-based amino alcohols. Synthesis and screening for the enantioselective addition of diethylzinc to benzaldehyde. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 2453-2458.	1.8	25
34	Application of the Ugi reaction with multiple amino acid-derived components: synthesis and conformational evaluation of piperazine-based minimalist peptidomimetics. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4993-5005.	2.8	24
35	Pyrroloisoquinoline-Based Tetrapeptide Analogues Mimicking Reverse-Turn Secondary Structures. <i>Journal of Organic Chemistry</i> , 2007, 72, 9765-9768.	3.2	23
36	Synthesis of tetrahydroisoquinoline-based pseudopeptides and their characterization as suitable reverse turn mimetics. <i>Tetrahedron</i> , 2007, 63, 5567-5578.	1.9	23

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37	A chemoenzymatic-RCM strategy for the enantioselective synthesis of new dihydroxylated 5-hydroxymethyl-indolizidines and 6-hydroxymethyl-quinolizidines. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1948-1954.	1.8	23
38	Phe-Ala-Based Diazaspirocyclic Lactam as Nucleator of Type II ^α β -Turn. <i>Journal of Organic Chemistry</i> , 2011, 76, 833-839.	3.2	23
39	Exploitation of the Ugi [®] reaction in drug discovery and development. <i>Expert Opinion on Drug Discovery</i> , 2019, 14, 639-652.	5.0	23
40	Enantioselective copper-catalyzed cyclopropanation of styrene by means of chiral bispidine ligands. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 659-663.	1.8	22
41	Tetrahydroisoquinoline-Based Spirocyclic Lactam as a Type II ^α β -Turn Inducing Peptide Mimetic. <i>Journal of Organic Chemistry</i> , 2009, 74, 8098-8105.	3.2	22
42	Sequential Multicomponent Strategy for the Diastereoselective Synthesis of Densely Functionalized Spirooxindole-Fused Thiazolidines. <i>ACS Combinatorial Science</i> , 2018, 20, 98-105.	3.8	22
43	Phytosterol and β -Oryzanol Conjugates: Synthesis and Evaluation of their Antioxidant, Antiproliferative, and Anticholesterol Activities. <i>Journal of Natural Products</i> , 2018, 81, 2212-2221.	3.0	22
44	Concise Total Synthesis of (\pm)-Aloperine and 6-epi-Aloperine. <i>Organic Letters</i> , 2002, 4, 2925-2928.	4.6	21
45	trans-6-Aminocyclohept-3-enols, a New Designed Polyfunctionalized Chiral Building Block for the Asymmetric Synthesis of 2-Substituted-4-hydroxypiperidines. <i>Organic Letters</i> , 2002, 4, 1367-1370.	4.6	21
46	lbogaine analogues. Synthesis and preliminary pharmacological evaluation of 7-heteroaryl-2-azabicyclo[2.2.2]oct-7-enes. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 1007-1014.	3.0	21
47	Organocatalytic vinylogous Mannich reaction of trimethylsiloxyfuran with isatin-derived benzhydryl-ketimines. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7768-7776.	2.8	21
48	Synthesis and Biological Evaluation of Paclitaxel ϵ -Thiocolchicine Hybrids. <i>Chemistry and Biodiversity</i> , 2004, 1, 327-345.	2.1	20
49	One step access to oxindole-based β -lactams through Ugi four-center three-component reaction. <i>RSC Advances</i> , 2018, 8, 34903-34910.	3.6	20
50	Stereoselective enzymatic hydrolysis of dimethyl meso-piperidine-3,5-dicarboxylates. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 345-348.	1.8	19
51	Convenient synthesis of methyl indol-2-ylpropionate. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 2669-2670.	0.9	19
52	An Efficient Enantioselective Approach to Cyclic β -Amino Acid Derivatives via Olefin Metathesis Reactions. <i>Journal of Organic Chemistry</i> , 2006, 71, 3317-3320.	3.2	19
53	Tetrahydro- β -carboline-Based Spirocyclic Lactam as Type II ^α β -Turn: Application to the Synthesis and Biological Evaluation of Somatostatine Mimetics. <i>Journal of Organic Chemistry</i> , 2013, 78, 2600-2610.	3.2	19
54	Multicomponent access to novel dihydroimidazo[1 α ,5 α]pyrido[3,4-b]indol-2-ium salts and indoles by means of Ugi/Bischler [®] Napieralski/heterocyclization two step strategy. <i>Tetrahedron</i> , 2014, 70, 3994-4001.	1.9	19

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55	Eugenol-grafted aliphatic polyesters: Towards inherently antimicrobial PLA-based materials exploiting OCAs chemistry. <i>European Polymer Journal</i> , 2019, 114, 369-379.	5.4	19
56	Natural Products and Cancer Stem Cells. <i>Current Pharmaceutical Design</i> , 2015, 21, 5547-5557.	1.9	19
57	New chiral diamino ligands as sparteine analogues. Application to the palladium-catalyzed kinetic oxidative resolution of 1-phenyl ethanol. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 1363-1366.	1.8	18
58	Formal enantioselective synthesis of tacamonine starting from asymmetric 2-substituted propane-1,3-diols. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4057-4064.	1.8	17
59	A Chemo-Enzymatic Approach to Some Indole and Quinolizidine Alkaloids From Cs-Symmetric Precursors. <i>Current Organic Chemistry</i> , 2000, 4, 231-261.	1.6	17
60	Indole alkaloids by a chemoenzymatic approach: two convergent routes for the first enantioselective synthesis of (+)-20R-15,20-dihydrocleavamine. <i>Tetrahedron Letters</i> , 2000, 41, 3489-3492.	1.4	16
61	Diastereoselective Synthesis of 3-Oxo-14,15-dihydroandraginine. <i>Journal of Organic Chemistry</i> , 1997, 62, 6519-6523.	3.2	15
62	An Efficient Enantioselective Entry to the Piperidino-Quinolizidine Ring System of Lupine Alkaloids by Means of N-Acyliminium Ion Initiated Cyclization Reactions. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 1377-1383.	2.4	14
63	The diketopiperazine-fused tetrahydro- β -carboline scaffold as a model peptidomimetic with an unusual β -turn secondary structure. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 147-154.	2.2	14
64	Heteronanoparticles by Self-Assembly of Ecdysteroid and Doxorubicin Conjugates To Overcome Cancer Resistance. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 468-471.	2.8	14
65	Ecdysteroid Derivatives that Reverse P-Glycoprotein-Mediated Drug Resistance. <i>Journal of Natural Products</i> , 2020, 83, 2434-2446.	3.0	14
66	Vinblastine-Type Antitumor Alkaloids: A Method for Creating New C17 Modified Analogues. <i>Journal of Organic Chemistry</i> , 1998, 63, 8586-8588.	3.2	13
67	Photochemical Isomerization of Colchicine and Thiocolchicine. <i>Journal of Physical Chemistry A</i> , 2003, 107, 9079-9085.	2.5	13
68	Combinatorial Solid-Phase Synthesis of 6-Hydroxy-1,2,3,4-tetrahydro- β -carbolines from 5-Hydroxytryptophan. <i>ACS Combinatorial Science</i> , 2005, 7, 458-462.	3.3	13
69	A new spirocyclic proline-based lactam as efficient type II β -turn inducing peptidomimetic. <i>Tetrahedron Letters</i> , 2008, 49, 7423-7425.	1.4	13
70	An efficient chemoenzymatic access to chiral 3,7-diazabicyclo[3.3.1]nonane derivatives. <i>Tetrahedron</i> , 1999, 55, 11871-11878.	1.9	12
71	Structural and Biological Exploration of Phe ³ -Phe ⁴ -Modified Endomorphin-2 Peptidomimetics. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 795-799.	2.8	12
72	Complementary isonitrile-based multicomponent reactions for the synthesis of diversified cytotoxic hemisterlin analogues. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11633-11644.	2.8	12

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73	Organocatalytic Access to Enantioenriched Spirooxindole-Based 4-Methyleneazetidines. <i>Molecules</i> , 2017, 22, 2016.	3.8	12
74	Isonitrile-Based Multicomponent Synthesis of $\hat{\text{I}}^2$ -Amino Boronic Acids as $\hat{\text{I}}^2$ -Lactamase Inhibitors. <i>Antibiotics</i> , 2020, 9, 249.	3.7	12
75	Synthesis, pharmacological evaluation and conformational investigation of endomorphin-2 hybrid analogues. <i>Molecular Diversity</i> , 2013, 17, 19-31.	3.9	10
76	Multicomponent Approach to Bioactive Peptideâ€Ecdysteroid Conjugates: Creating Diversity at C6 by Means of the Ugi Reaction. <i>Synthesis</i> , 2016, 48, 3907-3916.	2.3	10
77	Efficient Synthesis of Spirooxindole-Fused 3-Thiazoline Derivatives by a One-Pot Asinger-Type Reaction. <i>Synlett</i> , 2016, 27, 2831-2835.	1.8	10
78	Diels-Alder reactions of methyl N-p-methoxybenzenesulfonylindole-2-(2-propenoate), a convenient dienophile towards the synthesis of andranginine. <i>Tetrahedron</i> , 1996, 52, 11291-11296.	1.9	9
79	Cyclodimerization of indol-2-ylacetylenes. An example of intermolecular enyneâ€alkyne cycloaddition. <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2001, , 127-129.	1.3	9
80	Stereocontrolled reduction of an oxazepinohexahydroindolo[2,3- a]quinolizine derivative: asymmetric total synthesis of (+)-tacamonine. <i>Tetrahedron Letters</i> , 2001, 42, 7237-7240.	1.4	9
81	Chiral Amino-Amides as Solution Phase and Immobilized Ligands for the Catalytic Asymmetric Alkylation of Aromatic Aldehydes. <i>Letters in Organic Chemistry</i> , 2006, 3, 430-436.	0.5	9
82	Multicomponent Synthesis and Biological Evaluation of a Piperazine-Based Dopamine Receptor Ligand Library. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 882-887.	2.8	9
83	Biocatalysed olefin reduction of 3-alkylidene oxindoles by baker's yeast. <i>Tetrahedron</i> , 2017, 73, 4584-4590.	1.9	9
84	The Photochemical Behavior of Colchicine and Thiocolchicine. <i>Photochemistry and Photobiology</i> , 2000, 71, 29.	2.5	9
85	An Expedient Synthesis of Dimethyl 1-Benzyl-cis-Piperidine-3,5-Dicarboxylate. <i>Synthetic Communications</i> , 1997, 27, 69-77.	2.1	8
86	Double Michael Reaction of <i>N</i> -Carboethoxy-2,3-dihydropyridin-4-one. <i>Synlett</i> , 2001, 2001, 0132-0134.	1.8	8
87	Carvacrol- and Cardanol-Containing 1,3-Dioxolan-4-ones as Comonomers for the Synthesis of Functional Polylactide-Based Materials. <i>Macromolecules</i> , 2020, 53, 6420-6431.	4.8	8
88	Diastereoselective Dielsâ€Alder Reaction of 5-(Indol-2-yl)-pyran-2-one. <i>Tetrahedron</i> , 2000, 56, 5205-5208.	1.9	7
89	Hemiasterlin analogues incorporating an aromatic, and heterocyclic type C-terminus: design, synthesis and biological evaluation. <i>Molecular Diversity</i> , 2014, 18, 357-373.	3.9	7
90	Microwave-Assisted, Solid-Phase Synthesis of a Chiral 1,2,3,4-Tetrahydroquinoline Library. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2006, 9, 691-701.	1.1	6

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91	Synthesis of potent and selective HDAC6 inhibitors led to unexpected opening of a quinazoline ring. <i>RSC Advances</i> , 2022, 12, 11548-11556.	3.6	6
92	New Tetracyclic Colchicinoids from the Reaction of N-Deacetylthiocolchicine and N-Deacetylcolchicine with Nitrous Acid and tert-Butyl Nitrite. <i>Helvetica Chimica Acta</i> , 2003, 86, 2082-2089.	1.6	5
93	Synthesis and conformational analysis of benzimidazole-based reverse turn mimics. <i>Tetrahedron Letters</i> , 2008, 49, 1293-1296.	1.4	5
94	Total synthesis of 275A lehmizidine frog skin alkaloid (or of its enantiomer). <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2329-2333.	1.8	5
95	Aspidosperma Alkaloids. Reaction of 3-Oxotabersonine with Nitrosonium Tetrafluoroborate. <i>Natural Product Research</i> , 1995, 7, 141-146.	0.4	4
96	Attempted Oxidative Deamination of N-Deacetylcolchicinoids with 3,5-Di(tert-butyl)-1,2-benzoquinone: Synthesis of 2H-1,4-Benzoxazine-Type Adducts. <i>Helvetica Chimica Acta</i> , 1999, 82, 1502-1508.	1.6	4
97	Highly diastereoselective entry to chiral oxindole-based β^2 -amino boronic acids and spiro derivatives. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7211-7216.	2.8	4
98	A Convenient Synthesis of β^2 -7,8-Morphinan-6-one and Its Direct Oxidation to 14-Hydroxy- β^2 -7,8-morphinan-6-one. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 1981-1983.	2.2	3
99	Synthesis of 3-Heteroarylloxindoles through t-BuOCl-Mediated Oxidation of 3-Heteroarylindoles. <i>Synthesis</i> , 2010, 2010, 4075-4081.	2.3	3
100	Allylation of isatin-derived N-Boc-hydrazones followed by Pd-catalyzed carboamination reaction: an entry to 3-spiro-pyrazolidyl-oxindoles. <i>RSC Advances</i> , 2019, 9, 37788-37800.	3.6	3
101	1,3-Dioxolan-4-Ones as Promising Monomers for Aliphatic Polyesters: Metal-Free, in Bulk Preparation of PLA. <i>Polymers</i> , 2020, 12, 2396.	4.5	3
102	Unexpected chiral vicinal tetrasubstituted diamines via borylcopper-mediated homocoupling of isatin imines. <i>Beilstein Journal of Organic Chemistry</i> , 2022, 18, 303-308.	2.2	3
103	DOX mediated synthesis of PLA-co-PS graft copolymers with matrix-driven self-assembly in PLA-based blends. <i>European Polymer Journal</i> , 2022, 170, 111157.	5.4	3
104	Nature-inspired indolyl-2-azabicyclo[2.2.2]oct-7-ene derivatives as promising agents for the attenuation of withdrawal symptoms: synthesis of 20-desethyl-20-hydroxymethyl-11-demethoxyibogaine. <i>Natural Product Research</i> , 2006, 20, 758-765.	1.8	2
105	Exploiting Enantiopure β^2 -Amino Boronic Acids in Isocyanide-Based Multicomponent Reactions. <i>European Journal of Organic Chemistry</i> , 2022, 2022, .	2.4	2
106	Synthesis of Fluorine-Containing, UV-Responsive PLA-Based Materials by Means of Functionalized DOX Monomer. <i>Macromolecular Chemistry and Physics</i> , 2022, 223, .	2.2	2
107	trans-6-Aminocyclohept-3-enols, a New Designed Polyfunctionalized Chiral Building Block for the Asymmetric Synthesis of 2-Substituted-4-hydroxypiperidines. <i>Organic Letters</i> , 2002, 4, 1817-1817.	4.6	0
108	New Solution-Free and Polymer-Anchored Chiral Bispidine-Based Amino Alcohols. Synthesis and Screening for the Enantioselective Addition of Diethylzinc to Benzaldehyde.. <i>ChemInform</i> , 2003, 34, no.	0.0	0

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109	Synthesis of 3-Heteroaryloxindoles through t-BuOCl-Mediated Oxidation of 3-Heteroarylindoles. <i>Synthesis</i> , 2011, 2011, 352-352.	2.3	0
110	Bruno Danieli (1939â€“2014). <i>FÃ¬totherapÃ¬</i> , 2016, 109, 293-294.	2.2	0