

Silvia Maria Tagliapietra

List of Publications by Year in descending order

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73
papers

1,880
citations

257450

24
h-index

289244

40
g-index

83
all docs

83
docs citations

83
times ranked

2462
citing authors

#	ARTICLE	IF	CITATIONS
1	An asymmetric approach to coumarin anticoagulants via hetero-Diels-Alder cycloaddition. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 707-709.	1.8	162
2	Recent advances and perspectives in the synthesis of bioactive coumarins. <i>RSC Advances</i> , 2016, 6, 46394-46405.	3.6	113
3	Alkyne-azide click reaction catalyzed by metallic copper under ultrasound. <i>Nature Protocols</i> , 2010, 5, 607-616.	12.0	103
4	Glycerol: a solvent and a building block of choice for microwave and ultrasound irradiation procedures. <i>Green Chemistry</i> , 2014, 16, 1056.	9.0	79
5	Ozonated Oils as Antimicrobial Systems in Topical Applications. Their Characterization, Current Applications, and Advances in Improved Delivery Techniques. <i>Molecules</i> , 2020, 25, 334.	3.8	73
6	The Aldol Reaction under High-Intensity Ultrasound: A Novel Approach to an Old Reaction. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 4438-4444.	2.4	67
7	Chemical modification of chitosan under high-intensity ultrasound. <i>Ultrasonics Sonochemistry</i> , 2005, 12, 95-98.	8.2	66
8	Suzuki cross-couplings of (hetero)aryl chlorides in the solid-state. <i>New Journal of Chemistry</i> , 2012, 36, 1304.	2.8	60
9	Green Protocols in Heterocycle Syntheses via 1,3-Dipolar Cycloadditions. <i>Frontiers in Chemistry</i> , 2019, 7, 95.	3.6	55
10	8-Oxygenated prenylated coumarins from <i>Ferula communis</i> . <i>Phytochemistry</i> , 1988, 27, 3619-3624.	2.9	51
11	Ferprenin, a prenylated coumarin from <i>Ferula communis</i> . <i>Phytochemistry</i> , 1988, 27, 944-946.	2.9	50
12	Sesquiterpene coumarin ethers from <i>asafetida</i> . <i>Phytochemistry</i> , 1993, 35, 183-186.	2.9	47
13	Taxanes from the Seeds of <i>Taxus baccata</i> . <i>Journal of Natural Products</i> , 1993, 56, 514-520.	3.0	45
14	The chemistry of coumarin derivatives, part 2. Reaction of 4-hydroxycoumarin with α,β -unsaturated aldehydes. <i>Helvetica Chimica Acta</i> , 1990, 73, 1865-1878.	1.6	42
15	Enabling technologies built on a sonochemical platform: Challenges and opportunities. <i>Ultrasonics Sonochemistry</i> , 2015, 25, 8-16.	8.2	42
16	Pd-catalyzed Reactions Promoted by Ultrasound and/or Microwave Irradiation. <i>Current Organic Chemistry</i> , 2008, 12, 1588-1612.	1.6	39
17	Harnessing cavitation effects for green process intensification. <i>Ultrasonics Sonochemistry</i> , 2019, 52, 530-546.	8.2	37
18	Click Chemistry Under Microwave or Ultrasound Irradiation. <i>Current Organic Chemistry</i> , 2011, 15, 189-203.	1.6	36

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19	The chemistry of coumarin derivatives. Part 3. Synthesis of 3-alkyl-4-hydroxycoumarins by reductive fragmentation of 3,3?-alkylidene-4,4?-dihydroxybis[coumarins]. <i>Helvetica Chimica Acta</i> , 1991, 74, 1451-1458.	1.6	34
20	Reaction of 4-Hydroxycoumarin with $\hat{1}\pm, \hat{1}^2$ -Unsaturated Iminium Salts: A Straightforward, Regioselective Entry to Pyranocoumarin Derivatives. <i>Synthesis</i> , 2001, 2001, 0049-0051.	2.3	34
21	New paramagnetic supramolecular adducts for MRI applications based on non-covalent interactions between Gd(III)-complexes and $\hat{1}^2$ - or $\hat{1}^3$ -cyclodextrin units anchored to chitosan. <i>Journal of Inorganic Biochemistry</i> , 2006, 100, 931-938.	3.5	31
22	A simple, efficient, regioselective and one-pot preparation of N-hydroxy- and N- $\hat{1}$ -O-protected hydroxyindoles via cycloaddition of nitrosoarenes with alkynes. <i>Synthetic scope, applications and novel by-products</i> . <i>Tetrahedron</i> , 2013, 69, 10906-10920.	1.9	29
23	Filling the gap: Chemistry of 3,5-bis(trifluoromethyl)-1H-pyrazoles. <i>Journal of Fluorine Chemistry</i> , 2012, 139, 53-57.	1.7	28
24	Ytterbium triflate catalyzed synthesis of $\hat{1}^2$ -functionalized indole derivatives. <i>Tetrahedron Letters</i> , 2011, 52, 568-571.	1.4	26
25	Pd/C-catalyzed aerobic oxidative esterification of alcohols and aldehydes: a highly efficient microwave-assisted green protocol. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1454-1461.	2.2	24
26	Ultrasound-enhanced one-pot synthesis of 3-(Het)arylmethyl-4-hydroxycoumarins in water. <i>Ultrasonics Sonochemistry</i> , 2011, 18, 652-660.	8.2	23
27	Polycyclic aromatic hydrocarbons in coffee samples: Enquiry into processes and analytical methods. <i>Food Chemistry</i> , 2021, 344, 128631.	8.2	23
28	Microwave-Assisted, Green Synthesis of 4(3-H)-Quinazolinones under CO Pressure in $\hat{1}^3$ -Valerolactone and Reusable Pd/ $\hat{1}^2$ -Cyclodextrin Cross-Linked Catalyst. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9233-9243.	6.7	22
29	A sesquiterpene alcohol from the fruits of <i>Laurus nobilis</i> . <i>Phytochemistry</i> , 1992, 31, 2537-2538.	2.9	20
30	Umbelliferone aminoalkyl derivatives as inhibitors of oxidosqualene cyclases from <i>Saccharomyces cerevisiae</i> , <i>Tripanosoma cruzi</i> , and <i>Pneumocystis carinii</i> . <i>Lipids</i> , 2004, 39, 1007-1012.	1.7	19
31	Combined Microwaves/Ultrasound, a Hybrid Technology. <i>Topics in Current Chemistry</i> , 2016, 374, 79.	5.8	19
32	Long-Chain 3-Acyl-4-hydroxycoumarins: Structure and Antibacterial Activity. <i>Archiv Der Pharmazie</i> , 2006, 339, 129-132.	4.1	18
33	Catalysis in glycerol: a survey of recent advances. <i>Chemical Papers</i> , 2015, 69, .	2.2	18
34	A library of pyranocoumarin derivatives via a one-pot three-component hetero diels-alder reaction. <i>Journal of Heterocyclic Chemistry</i> , 2001, 38, 965-971.	2.6	17
35	A New Access to Homo- and Heterodimers of $\hat{1}\pm, \hat{1}^2$, and $\hat{1}^3$ -Cyclodextrin by a Microwave-Promoted Huisgen Cycloaddition. <i>Synlett</i> , 2008, 2008, 2642-2646.	1.8	17
36	Intensification of organic reactions with hybrid flow reactors. <i>Chemical Engineering and Processing: Process Intensification</i> , 2010, 49, 930-935.	3.6	17

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37	Inhibitory Effect of Umbelliferone Aminoalkyl Derivatives on Oxidosqualene Cyclases from <i>S. cerevisiae</i> , <i>T. cruzi</i> , <i>P. carinii</i> , <i>H. sapiens</i> , and <i>A. thaliana</i> : a Structure-Activity Study. <i>ChemMedChem</i> , 2007, 2, 226-233.	3.3	16
38	Sesquiterpenoid esters from the fruits of <i>Ferula communis</i> . <i>Phytochemistry</i> , 1990, 29, 1481-1484.	2.9	15
39	Coumarins from Heptaptera anisoptera. <i>Phytochemistry</i> , 1992, 31, 3211-3213.	2.9	15
40	Umbelliferone aminoalkyl derivatives, a new class of squalene-hopene cyclase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2004, 39, 917-924.	5.5	15
41	Microwave-Assisted Synthesis and Physicochemical Characterization of Tetrafuranylporphyrin-Grafted Reduced Graphene Oxide. <i>Chemistry - A European Journal</i> , 2016, 22, 1608-1613.	3.3	15
42	Tuneable Copper Catalysed Transfer Hydrogenation of Nitrobenzenes to Aniline or Azo Derivatives. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 2689-2700.	4.3	15
43	A green approach to heterogeneous catalysis using ligand-free, metal-loaded cross-linked cyclodextrins. <i>Green Processing and Synthesis</i> , 2012, 1, .	3.4	13
44	A novel SWCNT platform bearing DOTA and β -cyclodextrin units. "One shot" multidecoration under microwave irradiation. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 4708-4715.	2.8	13
45	Highly efficient nitrobenzene and alkyl/aryl azide reduction in stainless steel jars without catalyst addition. <i>New Journal of Chemistry</i> , 2018, 42, 18881-18888.	2.8	13
46	New chiral selectors: Design and synthesis of 6-TBDMS-2,3-methyl β -cyclodextrin 2- β -thioureido dimer and 6-TBDMS-2,3-methyl (or 2-methyl-3-acetyl) β -cyclodextrin bearing an (R) mosher acid moiety. <i>Chirality</i> , 2004, 16, 526-533.	2.6	12
47	Umbelliferone aminoalkyl derivatives as inhibitors of human oxidosqualene-lanosterol cyclase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2009, 24, 589-598.	5.2	12
48	Novel Squalene-Hopene Cyclase Inhibitors Derived from Hydroxycoumarins and Hydroxyacetophenones. <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 1171-1174.	1.3	11
49	Structure and Self-Aggregation of Mono- and Bis(cyclodextrin) Derivatives in Aqueous Media: Fluorescence, Induced Circular Dichroism, and Molecular Dynamics. <i>Journal of Physical Chemistry C</i> , 2010, 114, 22431-22440.	3.1	11
50	Synthesis of Selectively Permodified β -Cyclodextrins. A New Set of Chiral Stationary Phases in Capillary GC. <i>Journal of Carbohydrate Chemistry</i> , 2000, 19, 1235-1245.	1.1	10
51	Microwave Irradiation in Micro-Meso-Fluidic Systems; Hybrid Technology has Issued the Challenge. <i>Chemical Record</i> , 2019, 19, 98-117.	5.8	10
52	4-Hydroxycoumarin and Related Systems: Site-selectivity of the Mitsunobu Reaction with Prenyl Alcohols. <i>Heterocycles</i> , 2003, 60, 1351.	0.7	10
53	Functionalization of Single-Walled Carbon Nanotubes through 1,3-Cyclo-Addition of Carbonyl Ylides under Microwave Irradiation. <i>Synlett</i> , 2012, 23, 1459-1462.	1.8	9
54	Synthesis and characterization of porphyrin functionalized nanodiamonds. <i>Diamond and Related Materials</i> , 2019, 91, 22-28.	3.9	9

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55	SWCNT- β -porphyrin nano-hybrids selectively activated by ultrasound: an interesting model for sonodynamic applications. <i>RSC Advances</i> , 2020, 10, 21736-21744.	3.6	8
56	Mechanochemical and sonochemical heterocyclizations. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 856-865.	1.2	7
57	Synthesis of water-soluble multidentate aminoalcohol β -cyclodextrin derivatives via epoxide opening. <i>Carbohydrate Research</i> , 2011, 346, 2677-2682.	2.3	6
58	Copper(0) nanoparticle catalyzed <i>z</i> -selective Transfer Semihydrogenation of Internal Alkynes. <i>Advanced Synthesis and Catalysis</i> , 2021, 363, 2850-2860.	4.3	6
59	Cyclization reactions of coumarin derivatives: Chemo- and regioselectivity effects of oxygen/sulfur isosteric replacement. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 411-418.	2.6	5
60	Straightforward Functionalization of 3,5-Dichloro-2-pyrazinones under Simultaneous Microwave and Ultrasound Irradiation. <i>Synthesis</i> , 2010, 2010, 136-140.	2.3	5
61	Reaction of 4-hydroxycoumarin derivatives with activated dimethyl sulphoxide. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1989, , 2305.	0.9	4
62	NMR and computational study on the anomeric effect in cis/trans-3,4-dihydro-2-alkoxy-4-substituted-2H,5H-pyrano[3,2-c][1]benzopyran-5-one derivatives. <i>Magnetic Resonance in Chemistry</i> , 1997, 35, 721-729.	1.9	4
63	Extensive methodology screening of meso-tetrakis-(furan-2-yl)-porphyrin microwave-assisted synthesis. <i>New Journal of Chemistry</i> , 2016, 40, 2574-2581.	2.8	4
64	Green Enabling Technologies for Competitive Synthesis of Pharmaceutical Lead Compounds. <i>Current Pharmaceutical Design</i> , 2020, 26, 5700-5712.	1.9	4
65	Electron impact fragmentation of pyranocoumarin derivatives. Tandem mass spectrometric study of abundant singly and doubly charged fragment ions at high and low collision energy. <i>Organic Mass Spectrometry</i> , 1992, 27, 597-603.	1.3	3
66	Esterification of Terpene Alcohols Catalyzed by Acidic Brønsted Ionic Liquids. <i>Organic Preparations and Procedures International</i> , 2012, 44, 175-179.	1.3	3
67	Fast multigram scale microwave-assisted synthesis of vitamin E and C10-, C15-analogues under vacuum. <i>RSC Advances</i> , 2016, 6, 63515-63518.	3.6	3
68	4-Hydroxycoumarin and Related Systems: Site selectivity of the Mitsunobu Reaction with Prenyl Alcohols. <i>ChemInform</i> , 2003, 34, no.	0.0	1
69	Efficient Regioselective Opening of Epoxides by Nucleophiles in Water under Simultaneous Ultrasound/Microwave Irradiation. <i>Synlett</i> , 2007, 2007, 2041-2044.	1.8	1
70	Green Synthetic Procedures under Hydrodynamic and Acoustic Cavitation. <i>RSC Green Chemistry</i> , 2019, , 141-174.	0.1	1
71	The Aldol Reaction under High-Intensity Ultrasound: A Novel Approach to an Old Reaction. <i>ChemInform</i> , 2004, 35, no.	0.0	0
72	Novel Squalene-Hopene Cyclase Inhibitors Derived from Hydroxycoumarins and Hydroxyacetophenones. <i>ChemInform</i> , 2005, 36, no.	0.0	0

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73	The Thermal Dimerization of Pyrano[3,2-c]coumarins. <i>Heterocycles</i> , 1997, 45, 949.	0.7	0