Carmela Spatafora

List of Publications by Citations

53 papers	1,485 citations	24 h-index	37 g-index
54 ext. papers	1,606 ext. citations	3.9 avg, IF	4.29 L-index

#	Paper	IF	Citations
53	Polyphenol constituents and antioxidant activity of grape pomace extracts from five Sicilian red grape cultivars. *Food Chemistry*, **2007**, 100, 203-210	8.5	171
52	Hydroxytyrosol lipophilic analogues: enzymatic synthesis, radical scavenging activity and DNA oxidative damage protection. *Bioorganic Chemistry*, **2007**, 35, 137-52	5.1	111
51	Constituents of grape pomace from the Sicilian cultivar 'Nerello Mascalese'. *Food Chemistry*, **2004**, 88, 599-607	8.5	78
50	Chemo-enzymatic synthesis and cell-growth inhibition activity of resveratrol analogues. *Bioorganic Chemistry*, **2005**, 33, 22-33	5.1	59
49	Structural determinants of resveratrol for cell proliferation inhibition potency: experimental and docking studies of new analogs. *European Journal of Medicinal Chemistry*, **2010**, 45, 2972-80	6.8	55
48	Natural-derived polyphenols as potential anticancer agents. *Anti-Cancer Agents in Medicinal Chemistry*, **2012**, 12, 902-18	2.2	52
47	Antiproliferative terpenoids from almond hulls (Prunus dulcis): identification and structure-activity relationships. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 810-4	5.7	50
46	Antiproliferative activity of methylated analogues of E- and Z-resveratrol. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **2007**, 62, 189-95	1.7	47
45	□Glucosidase inhibition and antioxidant activity of an oenological commercial tannin. Extraction, fractionation and analysis by HPLC/ESI-MS/MS and (1)H NMR. *Food Chemistry*, **2017**, 215, 50-60	8.5	45
44	Effects of resveratrol analogs on steroidogenesis and mitochondrial function in rat Leydig cells in vitro. *Journal of Applied Toxicology*, **2009**, 29, 673-80	4.1	40
43	Methoxy stilbenes as potent, specific, untransported, and noncytotoxic inhibitors of breast cancer resistance protein. *ACS Chemical Biology*, **2012**, 7, 322-30	4.9	39
42	Biomimetic Synthesis of Natural and □nnatural□Lignans by Oxidative Coupling of Caffeic Esters. *European Journal of Organic Chemistry*, **2009**, 2009, 6289-6300	3.2	36
41	A simple and sensitive HPLC-UV method for the quantification of piceatannol analog trans-3,5,3',4'-tetramethoxystilbene in rat plasma and its application for a pre-clinical pharmacokinetic study. *Journal of Pharmaceutical and Biomedical Analysis*, **2010**, 51, 679-84	3.5	36
40	Interaction of resveratrol and its trimethyl and triacetyl derivatives with biomembrane models studied by differential scanning calorimetry. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 3720-8	5.7	32
39	2,3-Dihydrobenzofuran privileged structures as new bioinspired lead compounds for the design of mPGES-1 inhibitors. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 820-6	3.4	30
38	Chemo-enzymatic preparation of resveratrol derivatives. *Journal of Molecular Catalysis B: Enzymatic* , **2002**, 16, 223-229		30
37	Dihydrobenzofuran Neolignanamides: Laccase-Mediated Biomimetic Synthesis and Antiproliferative Activity. *Journal of Natural Products*, **2016**, 79, 2122-34	4.9	30

36	Structural basis for the potential antitumour activity of DNA-interacting benzo[kl]xanthene lignans. *Organic and Biomolecular Chemistry*, **2011**, 9, 701-10	3.9	28
35	Biological effects on granulosa cells of hydroxylated and methylated resveratrol analogues. *Molecular Nutrition and Food Research*, **2010**, 54 Suppl 2, S236-43	5.9	28
34	Bioactive constituents of the bark of Parkia biglobosa. *Fitoterapia*, **2000**, 71, 118-25	3.2	28
33	Bio-inspired benzo[k,l]xanthene lignans: synthesis, DNA-interaction and antiproliferative properties. *Organic and Biomolecular Chemistry*, **2014**, 12, 2686-701	3.9	27
32	Polyhydroxy-P-Terphenyls and Related P-Terphenylquinones From Fungi: Overview and Biological Properties. *Studies in Natural Products Chemistry*, **2003**, 29, 263-307	1.5	27
31	Antifeedant constituents from Fagara macrophylla. *Fitoterapia*, **2001**, 72, 538-43	3.2	26
30	Antiangiogenic properties of an unusual benzo[k,l]xanthene lignan derived from CAPE (caffeic acid phenethyl ester). *Investigational New Drugs*, **2012**, 30, 186-90	4.3	25
29	Grape stems from Sicilian Vitis vinifera cultivars as a source of polyphenol-enriched fractions with enhanced antioxidant activity. *LWT - Food Science and Technology*, **2013**, 54, 542-548	5.4	23
28	Valorization of Vegetable Waste: Identification of Bioactive Compounds and Their Chemo-Enzymatic Optimization. *Open Agriculture Journal*, **2012**, 6, 9-16	1.2	23
27	Chemoenzymatic Synthesis and β-Glucosidase Inhibitory Activity of Dimeric Neolignans Inspired by Magnolol. *Journal of Natural Products*, **2017**, 80, 1648-1657	4.9	22
26	Resveratrol-Related Polymethoxystilbene Glycosides: Synthesis, Antiproliferative Activity, and Glycosidase Inhibition. *Journal of Natural Products*, **2015**, 78, 2675-83	4.9	22
25	Inhibition of CYP17A1 activity by resveratrol, piceatannol, and synthetic resveratrol analogs. *Prostate*, **2014**, 74, 839-51	4.2	20
24	Resveratrol-Related Dehydrodimers: Laccase-Mediated Biomimetic Synthesis and Antiproliferative Activity. *European Journal of Organic Chemistry*, **2012**, 2012, 5217-5224	3.2	19
23	New lipophilic piceatannol derivatives exhibiting antioxidant activity prepared by aromatic hydroxylation with 2-iodoxybenzoic acid (IBX). *Molecules*, **2009**, 14, 4669-81	4.8	19
22	Sesquiterpenes and geranylgeranylglycerol from the brown algae Taonia lacheana and Taonia atomaria f. ciliata: their chemotaxonomic significance. *Phytochemistry*, **1995**, 40, 827-831	4	19
21	Anti-tumor properties of cis-resveratrol methylated analogs in metastatic mouse melanoma cells. *Molecular and Cellular Biochemistry*, **2015**, 402, 83-91	4.2	18
20	Bioactive Metabolites from the Bark of Fagara macrophylla **1997**, 8, 139-142		16
19	Effect of resveratrol-related stilbenoids on biomembrane models. *Journal of Natural Products*, **2013**, 76, 1424-31	4.9	15

18	Bioassay-guided isolation of antiproliferative compounds from grape (Vitis vinifera) stems. *Natural Product Communications*, **2009**, 4, 27-34	0.9	15
17	Phenethyl caffeate benzoxanthene lignan is a derivative of caffeic acid phenethyl ester that induces bystander autophagy in WiDr cells. *Molecular Biology Reports*, **2014**, 41, 85-94	2.8	13
16	Determination of trans-2,4,3',4',5'-pentamethoxystilbene in rat plasma and its application to a pharmacokinetic study. *Journal of Pharmaceutical and Biomedical Analysis*, **2012**, 57, 94-8	3.5	13
15	Effects of a ferulate-derived dihydrobenzofuran neolignan on angiogenesis, steroidogenesis, and redox status in a swine cell model. *Journal of Biomolecular Screening*, **2014**, 19, 1282-9		13
14	Reaction of benzoxanthene lignans with peroxyl radicals in polar and non-polar media: cooperative behaviour of OH groups. *Organic and Biomolecular Chemistry*, **2013**, 11, 4291-4	3.9	13
13	Quantification of trans-3,4,5,4'-Tetramethoxystilbene in rat plasma by HPLC: application to pharmacokinetic study. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 1072-7	5.7	12
12	Anti-tumor Properties of Stilbene-based Resveratrol Analogues: Recent Results. *Natural Product Communications*, **2007**, 2, 1934578X0700200	0.9	12
11	LC Determination of trans-3,5,3?,4?,5?-Pentamethoxystilbene in Rat Plasma. *Chromatographia*, **2010** , 72, 827-832	2.1	9
10	Enzymatic procedure catalysed by lipase from Candida antarctica for the regioprotection□deprotection of glucosamine. *Tetrahedron: Asymmetry*, **1999**, 10, 2891-2897		8
9	Bioassay-Guided Isolation of Antiproliferative Compounds from Grape (Vitis vinifera) Stems. *Natural Product Communications*, **2009**, 4, 1934578X0900400	0.9	6
8	beta-Cyclodextrins influence on E-3,5,4'-trimethoxystilbene absorption across biological membrane model: a differential scanning calorimetry evidence. *International Journal of Pharmaceutics*, **2010**, 388, 144-50	6.5	6
7	Antiangiogenic resveratrol analogues by mild m-CPBA aromatic hydroxylation of 3,5-dimethoxystilbenes. *Natural Product Communications*, **2009**, 4, 239-46	0.9	6
6	Hydroxytyrosol Lipophilic Analogues **2010**, 1233-1243		5
5	Quantification of the resveratrol analogs trans-2,3-dimethoxy-stilbene and trans-3,4-dimethoxystilbene in rat plasma: application to pre-clinical pharmacokinetic studies. *Molecules*, **2014**, 19, 9577-90	4.8	3
4	Hydrogen atom abstraction from resveratrol and two lipophilic derivatives by tert-butoxyl radicals. A laser flash photolysis study.. *New Journal of Chemistry*, **2004**,	3.6	3
3	Antiangiogenic Resveratrol Analogues by Mild m-CPBA Aromatic Hydroxylation of 3,5-Dimethoxystilbenes. *Natural Product Communications*, **2009**, 4, 1934578X0900400	0.9	2
2	Resveratrol against Major Pathologies **2011**, 339-378		
1	From Natural Polyphenols to Synthetic Antitumor Agents **2011**, 299-338		