

# Giuseppina Tommonaro

## List of Publications by Year in descending order

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72  
papers

2,498  
citations

201674

27  
h-index

206112

48  
g-index

79  
all docs

79  
docs citations

79  
times ranked

3509  
citing authors

#	ARTICLE	IF	CITATIONS
1	Curcumin and Cancer. <i>Nutrients</i> , 2019, 11, 2376.	4.1	560
2	High level synthesis of levan by a novel <i>Halomonas</i> species growing on defined media. <i>Carbohydrate Polymers</i> , 2009, 78, 651-657.	10.2	189
3	Marine bacteria associated with sponge as source of cyclic peptides. <i>New Biotechnology</i> , 2003, 20, 311-316.	2.7	93
4	Application of Cell Culture for the Production of Bioactive Compounds from Sponges:Â Synthesis of Avarol by <i>Primmorphs</i> from <i>Dysidea avara</i> . <i>Journal of Natural Products</i> , 2000, 63, 1077-1081.	3.0	91
5	Plant growth-promoting effects of rhizospheric and endophytic bacteria associated with different tomato cultivars and new tomato hybrids. <i>Chemical and Biological Technologies in Agriculture</i> , 2016, 3, .	4.6	88
6	Production and characterization of a microbial glucan, synthesized by <i>Geobacillus tepidamans</i> V264 isolated from Bulgarian hot spring. <i>Carbohydrate Polymers</i> , 2009, 77, 338-343.	10.2	87
7	Synthesis and Biological Activities of Thio-avarol Derivatives. <i>Journal of Natural Products</i> , 2008, 71, 1850-1853.	3.0	77
8	Diketopiperazines Produced by the Halophilic Archaeon, <i>Haloterrigena hispanica</i> , Activate AHL Bioreporters. <i>Microbial Ecology</i> , 2012, 63, 490-495.	2.8	75
9	Aliphatic and aromatic glycosides from the cell cultures of <i>Lycopersicon esculentum</i> . <i>Phytochemistry</i> , 1996, 42, 1031-1034.	2.9	67
10	The lignicolous fungus <i>Trametes versicolor</i> (L.) Lloyd (1920): a promising natural source of antiradical and AChE inhibitory agents. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2017, 32, 355-362.	5.2	57
11	Exocellular Cyclic Dipeptides from a <i>Ruegeria</i> Strain Associated with Cell Cultures of <i>Suberites domuncula</i> . <i>Marine Biotechnology</i> , 2004, 6, 95-103.	2.4	50
12	Silver(I) N-heterocyclic carbene complexes: Synthesis, characterization and antibacterial activity. <i>Journal of Organometallic Chemistry</i> , 2013, 725, 46-53.	1.8	50
13	Acetamide Derivatives with Antioxidant Activity and Potential Anti-Inflammatory Activity. <i>Molecules</i> , 2010, 15, 2028-2038.	3.8	48
14	Production and chemical characterization of an exopolysaccharide synthesized by psychrophilic yeast strain <i>Sporobolomyces salmonicolor</i> AL1 isolated from Livingston Island, Antarctica. <i>Folia Microbiologica</i> , 2010, 55, 576-581.	2.3	43
15	Avarol derivatives as competitive AChE inhibitors, non hepatotoxic and neuroprotective agents for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2016, 122, 326-338.	5.5	43
16	Light-Responsive Nanocapsule-Coated Polymer Films for Antimicrobial Active Packaging. <i>Polymers</i> , 2019, 11, 68.	4.5	42
17	Biological Properties of Polyphenols Extracts from Agro Industry's Wastes. <i>Waste and Biomass Valorization</i> , 2018, 9, 1567-1578.	3.4	40
18	Re-Use of Vegetable Wastes as Cheap Substrates for Extremophile Biomass Production. <i>Waste and Biomass Valorization</i> , 2011, 2, 103-111.	3.4	39

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19	Further <i>in vitro</i> evaluation of cytotoxicity of the marine natural product derivative 4- $\beta$ -leucine-avarone. <i>Natural Product Research</i> , 2014, 28, 347-350.	1.8	36
20	Antioxidative Activity and Lycopene and $\beta$ -Carotene Contents in Different Cultivars of Tomato ( <i>Lycopersicon Esculentum</i> ). <i>International Journal of Food Properties</i> , 2007, 10, 321-329.	3.0	35
21	Development in primary cell culture of demosponges. <i>Journal of Biotechnology</i> , 2003, 100, 119-125.	3.8	34
22	Antitumoral potential, antioxidant activity and carotenoid content of two Southern Italy tomato cultivars extracts: San Marzano and Corbarino. <i>Journal of Cellular Physiology</i> , 2018, 233, 1266-1277.	4.1	34
23	Sugar composition of the moss <i>Rhodobryum ontariense</i> (Kindb.) Kindb.. <i>Natural Product Research</i> , 2012, 26, 209-215.	1.8	32
24	Chemical Composition and Biotechnological Properties of a Polysaccharide from the Peels and Antioxidative Content from the Pulp of <i>Passiflora ligularis</i> Fruits. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 7427-7433.	5.2	31
25	Cavernosolide, a New Sesterterpene from a Tyrrhenian Sponge. <i>Journal of Natural Products</i> , 1997, 60, 844-846.	3.0	29
26	Recent Advances in the Study of Marine Microbial Biofilm: From the Involvement of Quorum Sensing in Its Production up to Biotechnological Application of the Polysaccharide Fractions. <i>Journal of Marine Science and Engineering</i> , 2016, 4, 34.	2.6	28
27	Further <i>in vitro</i> Evaluation of Antimicrobial Activity of the Marine Sesquiterpene Hydroquinone Avarol. <i>Current Pharmaceutical Biotechnology</i> , 2014, 15, 583-588.	1.6	27
28	A Novel Cyclopeptide from a Bacterium Associated with the Marine Sponge <i>Ircinia muscarum</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2003, 58, 740-745.	1.4	26
29	Tomato Derived Polysaccharides for Biotechnological Applications: Chemical and Biological Approaches. <i>Molecules</i> , 2008, 13, 1384-1398.	3.8	24
30	Polysaccharides from Wastes of Vegetable Industrial Processing: New Opportunities for Their Eco-Friendly Re-Use. , 0, , .		24
31	Development in a Primary Cell Culture of the Marine Sponge <i>Ircinia muscarum</i> and Analysis of the Polar Compounds. <i>Marine Biotechnology</i> , 2001, 3, 281-286.	2.4	23
32	Degradative actions of microbial xylanolytic activities on hemicelluloses from rhizome of <i>Arundo donax</i> . <i>AMB Express</i> , 2014, 4, 55.	3.0	22
33	Cyclic dipeptides produced by marine sponge-associated bacteria as quorum sensing signals. <i>Natural Product Communications</i> , 2014, 9, 229-32.	0.5	20
34	A new depsidone of <i>Lobaria pulmonaria</i> with acetylcholinesterase inhibition activity. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2013, 28, 876-878.	5.2	19
35	Cacospongionolide and Scalaradial, Two Marine Sesterterpenoids as Potent Apoptosis-Inducing Factors in Human Carcinoma Cell Lines. <i>PLoS ONE</i> , 2012, 7, e33031.	2.5	19
36	Evaluation of Antioxidant Properties, Total Phenolic Content, and Biological Activities of New Tomato Hybrids of Industrial Interest. <i>Journal of Medicinal Food</i> , 2012, 15, 483-489.	1.5	17

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37	Triterpenoids and sterol glucoside from cell cultures of <i>Lycopersicon esculentum</i> . <i>Phytochemistry</i> , 1997, 44, 861-864.	2.9	16
38	A new dimethylsclerane derivative from the sponge <i>Cacospongia scalaris</i> . <i>Tetrahedron</i> , 1998, 54, 6185-6190.	1.9	16
39	A Novel C21 Terpene Lactone from the Sponge <i>Fasciospongia Cavernosa</i> . <i>Tetrahedron</i> , 1999, 55, 13805-13808.	1.9	16
40	A Polysaccharide from Tomato ( <i>Lycopersicon esculentum</i> ) Peels Affects NF- $\kappa$ B Activation in LPS-Stimulated J774 Macrophages. <i>Journal of Natural Products</i> , 2007, 70, 1636-1639.	3.0	16
41	Bioactive Marine Prenylated Quinones/Quinols. <i>Studies in Natural Products Chemistry</i> , 2012, , 163-218.	1.8	12
42	A $\beta$ -Amino Acid Containing Tripeptide from a <i>Pseudomonas</i> Alteromonas Bacterium Associated with a Black Sea Sponge. <i>Journal of Natural Products</i> , 2000, 63, 1454-1455.	3.0	11
43	Bioactivity of Tomato Hybrid Powder: Antioxidant Compounds and Their Biological Activities. <i>Journal of Medicinal Food</i> , 2013, 16, 351-356.	1.5	11
44	Antioxidant and cytotoxic activities investigation of tomato seed extracts. <i>Natural Product Research</i> , 2014, 28, 764-768.	1.8	11
45	Further <i>in vitro</i> biological activity evaluation of amino-, thio- and ester-derivatives of avarol. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2015, 30, 333-335.	5.2	11
46	<i>In vitro</i> evaluation of cytotoxic and mutagenic activity of avarol. <i>Natural Product Research</i> , 2016, 30, 1293-1296.	1.8	11
47	Liposomal integration method for assessing antioxidative activity of water insoluble compounds towards biologically relevant free radicals: example of avarol. <i>Journal of Liposome Research</i> , 2020, 30, 218-226.	3.3	11
48	Extremophilic <i>Natrinema versiforme</i> Against <i>Pseudomonas aeruginosa</i> Quorum Sensing and Biofilm. <i>Frontiers in Microbiology</i> , 2020, 11, 79.	3.5	11
49	Cyclic Dipeptides Produced by Marine Sponge-Associated Bacteria as Quorum Sensing Signals. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	10
50	Investigating on the Correlation Between Some Biological Activities of Marine Sponge-Associated Bacteria Extracts and Isolated Diketopiperazines. <i>Current Microbiology</i> , 2017, 74, 6-13.	2.2	10
51	Productivity and Nutritional Trait Improvements of Different Tomatoes Cultivated with Effective Microorganisms Technology. <i>Agriculture (Switzerland)</i> , 2021, 11, 112.	3.1	10
52	The redox couple avarol/avarone in the fight with malignant gliomas: the case study of U-251 MG cells. <i>Natural Product Research</i> , 2018, 32, 616-620.	1.8	8
53	<i>In vitro</i> avarol does affect the growth of <i>Candida</i> sp.. <i>Natural Product Research</i> , 2016, 30, 1956-1960.	1.8	7
54	Comparative Correlation Between Chemical Composition and Cytotoxic Potential of the Coral-Associated Fungus <i>Aspergillus</i> sp. 2C1-EGY Against Human Colon Cancer Cells. <i>Current Microbiology</i> , 2017, 74, 1294-1300.	2.2	7

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55	Chemistry of Tropical Eucheumatoids: Potential for Food and Feed Applications. <i>Biomolecules</i> , 2021, 11, 804.	4.0	7
56	Acetylcholinesterase inhibition activity of acetylated depsidones from <i>Lobaria pulmonaria</i> . <i>Natural Product Research</i> , 2012, 26, 1634-1637.	1.8	6
57	Effects of Industrial Processes on Antioxidant Power and Polyphenols Profile in Cherry Tomato Cultivar. <i>Journal of Medicinal Food</i> , 2015, 18, 1173-1178.	1.5	6
58	Identification of N-Hexadecanoyl-L-homoserine lactone (C16-AHL) as signal molecule in halophilic bacterium <i>Halomonas smyrnensis</i> AAD6. <i>Annals of Microbiology</i> , 2016, 66, 1329-1333.	2.6	6
59	Research Progress and Hopeful Strategies of Application of Quorum Sensing in Food, Agriculture and Nanomedicine. <i>Microorganisms</i> , 2022, 10, 1192.	3.6	6
60	Antioxidant Activity of Diphenylpropionamide Derivatives: Synthesis, Biological Evaluation and Computational Analysis. <i>Molecules</i> , 2008, 13, 749-761.	3.8	5
61	Evaluation of heavy metals, cytotoxicity, and antioxidant activity of tomatoes grown in toxic muddy soils. <i>Environmental Science and Pollution Research</i> , 2015, 22, 5756-5761.	5.3	5
62	Antioxidant activity and bioactive compound contents before and after <i>in vitro</i> digestion of new tomato hybrids. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 5241-5246.	3.5	5
63	Determination of flavor-potentiating compounds in different Italian tomato varieties. <i>Journal of Food Biochemistry</i> , 2021, 45, e13736.	2.9	5
64	Comparative Fatty Acid Profiling of Edible Fishes in Kuala Terengganu, Malaysia. <i>Foods</i> , 2021, 10, 2456.	4.3	5
65	The Mediterranean Sponge <i>Dysidea avara</i> as a 40 Year Inspiration of Marine Natural Product Chemists. <i>Journal of Biodiversity &amp; Endangered Species</i> , 2014, 01, .	0.1	3
66	Fatty Acid Profile and In Vitro Anticancer Activity of Two Marine Sponge- Associated Bacteria. <i>Current Bioactive Compounds</i> , 2020, 16, 1273-1280.	0.5	3
67	Acylglucosyl isofucosterol from cell cultures of <i>Lycopersicon esculentum</i> . <i>Phytochemistry</i> , 1998, 48, 103-105.	2.9	2
68	New Peptide from a Bacterium Associated with Marine Sponge <i>Ircinia muscarum</i> . , 2002, , 335-340.		2
69	Involvement of a Quorum Sensing Signal Molecule in the Extracellular Amylase Activity of the Thermophilic <i>Anoxybacillus amylolyticus</i> . <i>Microorganisms</i> , 2021, 9, 819.	3.6	1
70	Marine Sponge Sesterpenoids as Potent Apoptosis-Inducing Factors in Human Carcinoma Cell Lines. , 2015, , 439-479.		1
71	Exopolysaccharide-Producing Microorganisms from Extreme Areas: Chemistry and Application. <i>Microorganisms for Sustainability</i> , 2018, , 405-433.	0.7	1
72	Bioactive Polysaccharides from Tomato. , 2008, , 299-316.		0