

# Antonio Rescigno

## List of Publications by Year in descending order

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87  
papers

2,097  
citations

186209

28  
h-index

276775

41  
g-index

89  
all docs

89  
docs citations

89  
times ranked

2547  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tyrosinase Inhibition: General and Applied Aspects. Journal of Enzyme Inhibition and Medicinal Chemistry, 2002, 17, 207-218.	2.5	137
2	Supercritical CO <sub>2</sub> Extract of Cinnamomum zeylanicum: Chemical Characterization and Antityrosinase Activity. Journal of Agricultural and Food Chemistry, 2007, 55, 10022-10027.	2.4	97
3	Complete and efficient enzymic hydrolysis of pretreated wheat straw. Process Biochemistry, 2002, 37, 937-941.	1.8	71
4	Avocado's Soybean Unsaponifiables: A Panoply of Potentialities to Be Exploited. Biomolecules, 2020, 10, 130.	1.8	66
5	Mild alkaline/oxidative pretreatment of wheat straw. Process Biochemistry, 1997, 32, 665-670.	1.8	62
6	Degradation of Alizarin Red S under mild experimental conditions by immobilized 5,10,15,20-tetrakis(4-sulfonatophenyl)porphine-Mn(III) as a biomimetic peroxidase-like catalyst. Journal of Molecular Catalysis A, 2008, 288, 97-102.	4.8	61
7	Enzyme, Protein, Carbohydrate, and Phenolic Contaminants in Commercial Tyrosinase Preparations: Potential Problems Affecting Tyrosinase Activity and Inhibition Studies. Journal of Agricultural and Food Chemistry, 2008, 56, 4760-4768.	2.4	61
8	Iron(III) and aluminum(III) complexes with hydroxypyron ligands aimed to design kojic acid derivatives with new perspectives. Journal of Inorganic Biochemistry, 2010, 104, 560-569.	1.5	55
9	Olive milling wastewater as a medium for growth of four Pleurotus species. Applied Biochemistry and Biotechnology, 1991, 31, 223-235.	1.4	54
10	Induction, purification, and characterization of a laccase isozyme from Pleurotus sajor-caju and the potential in decolorization of textile dyes. Journal of Molecular Catalysis B: Enzymatic, 2011, 68, 216-222.	1.8	54
11	Laccase-Mediated Synthesis of Novel Substituted Phenoxazine Chromophores Featuring Tuneable Water Solubility. Chemistry - A European Journal, 2009, 15, 8283-8295.	1.7	48
12	Fe(III)-5,10,15,20-tetrakis(pentafluorophenyl)porphine supported on pyridyl-functionalized, crosslinked poly(vinyl alcohol) as a biomimetic versatile-peroxidase-like catalyst. Journal of Molecular Catalysis A, 2009, 306, 89-96.	4.8	46
13	Identification and discrimination between some contaminant enzyme activities in commercial preparations of mushroom tyrosinase. Enzyme and Microbial Technology, 2007, 41, 620-627.	1.6	45
14	Ligand-Based Computer-Aided Discovery of Tyrosinase Inhibitors. Applications of the TOMOCOMD-CARDD Method to the Elucidation of New Compounds. Current Pharmaceutical Design, 2010, 16, 2601-2624.	0.9	42
15	Biomimetic metalloporphines and metalloporphyrins as potential tools for delignification: Molecular mechanisms and application perspectives. Journal of Molecular Catalysis A, 2014, 388-389, 2-34.	4.8	42
16	Bond-Based 2D Quadratic Fingerprints in QSAR Studies: Virtual and <i>In vitro</i> Tyrosinase Inhibitory Activity Elucidation. Chemical Biology and Drug Design, 2010, 76, 538-545.	1.5	41
17	5,10,15,20-Tetrakis(4-sulfonato-phenyl)porphine-Mn(III) immobilized on imidazole-activated silica as a novel lignin-peroxidase-like biomimetic catalyst. Journal of Molecular Catalysis A, 2007, 278, 220-227.	4.8	39
18	Structure-Activity Relationship Study of Hydroxycoumarins and Mushroom Tyrosinase. Journal of Agricultural and Food Chemistry, 2015, 63, 7236-7244.	2.4	38

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19	Tyrosinase Enzyme: 1. An Overview on a Pharmacological Target. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1494-1501.	1.0	38
20	Evaluation of Antioxidant Potential of "Maltese Mushroom"( <i>Cynomorium coccineum</i> ) by Means of Multiple Chemical and Biological Assays. <i>Nutrients</i> , 2013, 5, 149-161.	1.7	36
21	Detection of Laccase, Peroxidase, and Polyphenol Oxidase on a Single Polyacrylamide Gel Electrophoresis. <i>Analytical Letters</i> , 1997, 30, 2211-2220.	1.0	33
22	Umbelliferone and Esculetin: Inhibitors or Substrates for Polyphenol Oxidases?. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 2187-2193.	0.6	33
23	Chemical composition and effect on intestinal Caco-2 cell viability and lipid profile of fixed oil from <i>Cynomorium coccineum</i> L.. <i>Food and Chemical Toxicology</i> , 2012, 50, 3799-3807.	1.8	33
24	Atom- and Bond-Based 2D TOMOCOMD-CARDD Approach and Ligand-Based Virtual Screening for the Drug Discovery of New Tyrosinase Inhibitors. <i>Journal of Biomolecular Screening</i> , 2008, 13, 1014-1024.	2.6	32
25	Autoxidation of 4-Methylcatechol: A Model for the Study of the Biosynthesis of Copper Amine Oxidases Quinonoid Cofactor. <i>Biochemical and Biophysical Research Communications</i> , 1995, 214, 559-567.	1.0	31
26	Effect of 3-hydroxyanthranilic acid on mushroom tyrosinase activity. <i>BBA - Proteins and Proteomics</i> , 1998, 1384, 268-276.	2.1	31
27	Degradation of textile dyes using immobilized lignin peroxidase-like metalloporphines under mild experimental conditions. <i>Chemistry Central Journal</i> , 2012, 6, 161.	2.6	30
28	3-Hydroxykynurenine as a substrate/activator for mushroom tyrosinase. <i>Archives of Biochemistry and Biophysics</i> , 2003, 412, 272-278.	1.4	29
29	Mediterranean shrubs as potential antioxidant sources. <i>Natural Product Research</i> , 2008, 22, 689-708.	1.0	29
30	Is the bleaching of phenosafranine by hydrogen peroxide oxidation catalyzed by silica-supported 5,10,15,20-tetrakis-(sulfonatophenyl)porphine-Mn(III) really biomimetic?. <i>Journal of Molecular Catalysis A</i> , 2010, 321, 27-33.	4.8	28
31	Vanilloid Derivatives as Tyrosinase Inhibitors Driven by Virtual Screening-Based QSAR Models. <i>Drug Testing and Analysis</i> , 2011, 3, 176-181.	1.6	26
32	Lamium Plants "A Comprehensive Review on Health Benefits and Biological Activities. <i>Molecules</i> , 2019, 24, 1913.	1.7	26
33	Modeling Novel Quinocofactors: An Overview. <i>Bioorganic Chemistry</i> , 1999, 27, 253-288.	2.0	25
34	Polyphenol oxidase activity staining in polyacrylamide electrophoresis gels. <i>Journal of Proteomics</i> , 1997, 34, 155-159.	2.4	22
35	Novel coumarin-based tyrosinase inhibitors discovered by OECD principles-validated QSAR approach from an enlarged, balanced database. <i>Molecular Diversity</i> , 2011, 15, 507-520.	2.1	22
36	Cofactor Recycling for Selective Enzymatic Biotransformation of Cinnamaldehyde to Cinnamyl Alcohol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1224-1226.	0.6	21

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37	Isolation and characterization of polyphenol oxidase from Sardinian poisonous and non-poisonous chemotypes of <i>Ferula communis</i> (L.). <i>Phytochemistry</i> , 2013, 90, 16-24.	1.4	21
38	Maltese Mushroom ( <i>Cynomorium coccineum</i> L.) as Source of Oil with Potential Anticancer Activity. <i>Nutrients</i> , 2015, 7, 849-864.	1.7	21
39	Biosynthesis of the topaquinone cofactor in copper amine oxidases. Evidence from model studies. <i>FEBS Journal</i> , 1998, 251, 91-97.	0.2	20
40	Tyrosinase activity and hemocyanin in the hemolymph of the slipper lobster <i>Scyllarides latus</i> . <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2005, 175, 405-411.	0.7	20
41	A Hydroxyquinone with Amine Oxidase Activity: Preparation and Properties. <i>Biochemical and Biophysical Research Communications</i> , 1995, 208, 825-834.	1.0	19
42	Some aspects of tyrosine secondary metabolism. <i>Biochemical Pharmacology</i> , 1998, 56, 1089-1096.	2.0	19
43	Structure-activity relationships of various amino-hydroxy-benzenesulfonic acids and sulfonamides as tyrosinase substrates. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2011, 1810, 799-807.	1.1	18
44	Metal coordination and tyrosinase inhibition studies with Kojic- <sup>125</sup> I-Ala-Kojic. <i>Journal of Inorganic Biochemistry</i> , 2015, 151, 36-43.	1.5	18
45	Biological Activities and Nutraceutical Potentials of Water Extracts from Different Parts of <i>Cynomorium coccineum</i> L. (Maltese Mushroom). <i>Polish Journal of Food and Nutrition Sciences</i> , 2016, 66, 179-188.	0.6	18
46	Nanosizing <i>Cynomorium</i> : Thumbs up for Potential Antifungal Applications. <i>Inventions</i> , 2017, 2, 24.	1.3	17
47	Cholinium-Based Ionic Liquids from Hydroxycinnamic Acids as New Promising Bioactive Agents: A Combined Experimental and Theoretical Investigation. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2975-2986.	3.2	17
48	Antifungal activity of extracts from <i>Cynomorium coccineum</i> growing wild in Sardinia island (Italy). <i>Natural Product Research</i> , 2015, 29, 2247-2250.	1.0	16
49	Chemical Composition and Antioxidant Potential Differences between <i>Cynomorium coccineum</i> L. Growing in Italy and in Tunisia: Effect of Environmental Stress. <i>Diversity</i> , 2018, 10, 53.	0.7	16
50	Common bean ( <i>Phaseolus vulgaris</i> L.) $\alpha$ -amylase inhibitors as safe nutraceutical strategy against diabetes and obesity: An update review. <i>Phytotherapy Research</i> , 2022, 36, 2803-2823.	2.8	16
51	Development of biocompatible barium alginate microcapsules. <i>Transplantation Proceedings</i> , 1997, 29, 2129-2130.	0.3	15
52	3-hydroxycoumarin loaded vesicles for recombinant human tyrosinase inhibition in topical applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 171, 675-681.	2.5	15
53	Antioxidant potential of family Cucurbitaceae with special emphasis on <i>Cucurbita</i> genus: A key to alleviate oxidative stress-mediated disorders. <i>Phytotherapy Research</i> , 2021, 35, 3533-3557.	2.8	14
54	Astringent drugs for bleedings and diarrhoea: The history of <i>Cynomorium coccineum</i> (Maltese) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62</i>	2.0	13

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55	Spectrophotometric Method for the Determination of Polyphenol Oxidase Activity by Coupling of 4-tert-Butyl-2-benzoquinone and 4-Amino-N,N-Diethylaniline. <i>Analytical Letters</i> , 1999, 32, 2007-2017.	1.0	12
56	Plants as a Promising Reservoir of Tyrosinase Inhibitors. <i>Mini-Reviews in Organic Chemistry</i> , 2021, 18, 808-828.	0.6	11
57	Purification and Characterization of an NAD(P)H:Quinone Oxidoreductase from Glycine Max Seedlings. <i>Preparative Biochemistry and Biotechnology</i> , 1995, 25, 57-67.	0.4	10
58	The Modern Use of an Ancient Plant: Exploring the Antioxidant and Nutraceutical Potential of the Maltese Mushroom ( <i>Cynomorium Coccineum</i> L.). <i>Antioxidants</i> , 2019, 8, 289.	2.2	10
59	A highly active fungal $\beta$ -glucosidase. <i>Applied Biochemistry and Biotechnology</i> , 1994, 44, 263-270.	1.4	9
60	Formation of a Blue Adduct between 4-tert-Butyl-1,2-benzoquinone and 4-Amino-N,N-diethylaniline. <i>Tetrahedron</i> , 2000, 56, 659-662.	1.0	9
61	Photometric assay for polyphenol oxidase activity in olives, olive pastes, and virgin olive oils. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2001, 78, 1245-1248.	0.8	9
62	Interference of Some Tryptophan Metabolites in the Formation of Melanin In Vitro. <i>Pigment Cell &amp; Melanoma Research</i> , 2004, 17, 135-141.	4.0	9
63	A dyed substrate for the assay of endo-1, 4- $\beta$ -glucanases. <i>Journal of Proteomics</i> , 1994, 28, 123-129.	2.4	8
64	Degradation of juglone by <i>Pleurotus sajor-caju</i> . <i>Mycological Research</i> , 2004, 108, 913-918.	2.5	8
65	First step towards the biomolecular characterization of <i>Pompia</i> , an endemic <i>Citrus</i> -like fruit from Sardinia (Italy). <i>Plant Biosystems</i> , 2017, 151, 464-473.	0.8	8
66	<i>Sisymbrium officinale</i> , the Plant of Singers: A Review of Its Properties and Uses. <i>Planta Medica</i> , 2020, 86, 307-311.	0.7	8
67	A Rational Workflow for Sequential Virtual Screening of Chemical Libraries on Searching for New Tyrosinase Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1473-1485.	1.0	8
68	Improved Chromatographic Purification of Peroxidase and $\beta$ -Glucosidase from <i>Hordeum vulgare</i> Seedlings. <i>Preparative Biochemistry and Biotechnology</i> , 1993, 23, 485-492.	0.4	7
69	QSAR models for tyrosinase inhibitory activity description applying modern statistical classification techniques: A comparative study. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2010, 104, 249-259.	1.8	7
70	Ligninolytic Peroxidase-Like Activity of a Synthetic Metalloporphine Immobilized onto Mercapto-Grafted Crosslinked PVA Inspired by the Active Site of Cytochrome P450. <i>Chinese Journal of Catalysis</i> , 2011, 32, 1663-1666.	6.9	7
71	Antiproliferative and antiviral activity of methanolic extracts from Sardinian Maltese Mushroom ( <i>Cynomorium coccineum</i> L.). <i>Natural Product Research</i> , 2019, 35, 1-5.	1.0	7
72	Diafiltration in the presence of ascorbate in the purification of mushroom tyrosinase. <i>Phytochemistry</i> , 1997, 46, 21-22.	1.4	6

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73	Flavin-grafted poly(vinyl alcohol): Preparation and properties. Journal of Applied Polymer Science, 2002, 85, 2471-2477.	1.3	6
74	Protective effects of azarole polyphenolic extracts against oxidative damage using in vitro biomolecular and cellular models. Industrial Crops and Products, 2016, 86, 239-250.	2.5	6
75	The byssus threads of <i>Pinna nobilis</i> : A histochemical and ultrastructural study. European Journal of Histochemistry, 2017, 61, 2779.	0.6	6
76	Biomimetic Sulfide Oxidation by the Means of Immobilized Fe(III)-5,10,15,20-tetrakis(pentafluorophenyl)porphyrin under Mild Experimental Conditions. Journal of Chemistry, 2013, 2013, 1-7.	0.9	5
77	Evaluation of the Antioxidant and Cytotoxic Activities on Cancer Cell Line of Extracts of Parasitic Plants Harvested in Tunisia. Polish Journal of Food and Nutrition Sciences, 0, , 253-263.	0.6	5
78	<i>Sporobolomyces salmonicolor</i> AS A TOOL FOR NITRATE REMOVAL FROM WASTEWATERS. Environmental Engineering and Management Journal, 2012, 11, 1455-1460.	0.2	4
79	On the Use of 2,4,5-Trihydroxyphenethylamine as Peroxidase Substrate. Analytical Letters, 1994, 27, 523-530.	1.0	3
80	Absence of Polyphenol Oxidase in <i>Cynomorium coccineum</i> , a Widespread Holoparasitic Plant. Plants, 2020, 9, 964.	1.6	2
81	Dopaquinone hydroxylation through topaquinone cofactor in copper amine oxidases: A simplified chemical model. IUBMB Life, 1996, 40, 189-197.	1.5	1
82	Properties of <i>Thermus aquaticus</i> NADH oxidase immobilised on various supports. IUBMB Life, 1997, 41, 555-562.	1.5	1
83	QSAR-Based CMs and TOMOCOMD-CARD Approach for the Discovery of New Tyrosinase Inhibitor Chemicals. , 2012, , 298-341.		1
84	Antibodies targeting the European lobster ( <i>Palinurus elephas</i> ) vitellogenin developed by mRNA isolation and in-silico-designed antigenic peptides. Biology Open, 2022, 11, .	0.6	1
85	New mercurated resins for covalent immobilisation. European Polymer Journal, 1997, 33, 549-551.	2.6	0
86	O-aminophenol-type tryptophan metabolites: 3-hydroxykynurenine, 3-hydroxyanthranilic acid, and their role in living organisms. Studies in Natural Products Chemistry, 2002, 26, 965-1028.	0.8	0
87	Retrained Classification of Tyrosinase Inhibitors and <i>In Silico</i> Potency Estimation by Using Atom-Type Linear Indices. International Journal of Chemoinformatics and Chemical Engineering, 2012, 2, 42-144.	0.1	0