

# Jose Tudela

## List of Publications by Year in descending order

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147  
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4,832  
citations

76196

40  
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118652

62  
g-index

151  
all docs

151  
docs citations

151  
times ranked

3603  
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of a kinetic model for melanin biosynthesis pathway.. Journal of Biological Chemistry, 1992, 267, 3801-3810.	1.6	199
2	Kinetic characterization of the substrate specificity and mechanism of mushroom tyrosinase. FEBS Journal, 2000, 267, 1270-1279.	0.2	196
3	Analysis of a kinetic model for melanin biosynthesis pathway. Journal of Biological Chemistry, 1992, 267, 3801-10.	1.6	142
4	A Review on Spectrophotometric Methods for Measuring the Monophenolase and Diphenolase Activities of Tyrosinase. Journal of Agricultural and Food Chemistry, 2007, 55, 9739-9749.	2.4	126
5	Analysis and interpretation of the action mechanism of mushroom tyrosinase on monophenols and diphenols generating highly unstable o-quinones. BBA - Proteins and Proteomics, 2001, 1548, 1-22.	2.1	125
6	Reactivity of Horseradish Peroxidase Compound II toward Substrates: A Kinetic Evidence for a Two-Step Mechanism. Biochemistry, 2000, 39, 13201-13209.	1.2	123
7	A Continuous Spectrophotometric Method for Determining the Monophenolase and Diphenolase Activities of Apple Polyphenol Oxidase. Analytical Biochemistry, 1995, 231, 237-246.	1.1	120
8	Stopped-Flow and Steady-State Study of the Diphenolase Activity of Mushroom Tyrosinase. Biochemistry, 2000, 39, 10497-10506.	1.2	110
9	Improvement of a Continuous Spectrophotometric Method for Determining the Monophenolase and Diphenolase Activities of Mushroom Polyphenol Oxidase. Journal of Agricultural and Food Chemistry, 1997, 45, 1084-1090.	2.4	101
10	Study of stereospecificity in mushroom tyrosinase. Biochemical Journal, 1998, 331, 547-551.	1.7	95
11	Calculating molar absorptivities for quinones: Application to the measurement of tyrosinase activity. Analytical Biochemistry, 2006, 351, 128-138.	1.1	85
12	Mushroom Tyrosinase: Catalase Activity, Inhibition, and Suicide Inactivation. Journal of Agricultural and Food Chemistry, 2005, 53, 3702-3709.	2.4	81
13	Enzyme Inactivation Analysis for Industrial Blanching Applications: Comparison of Microwave, Conventional, and Combination Heat Treatments on Mushroom Polyphenoloxidase Activity. Journal of Agricultural and Food Chemistry, 1999, 47, 4506-4511.	2.4	78
14	Kinetic study on the suicide inactivation of tyrosinase induced by catechol. BBA - Proteins and Proteomics, 1987, 912, 417-423.	2.1	70
15	Tyrosinase action on monophenols: evidence for direct enzymatic release of o-diphenol. BBA - Proteins and Proteomics, 2001, 1548, 238-256.	2.1	70
16	Tyrosinase kinetics: discrimination between two models to explain the oxidation mechanism of monophenol and diphenol substrates. International Journal of Biochemistry and Cell Biology, 2004, 36, 235-246.	1.2	68
17	Monophenolase activity of polyphenol oxidase from Verdedoncella apple. Journal of Agricultural and Food Chemistry, 1995, 43, 2807-2812.	2.4	67
18	Lavandula stoechas essential oil from Spain: Aromatic profile determined by gas chromatography-mass spectrometry, antioxidant and lipoxigenase inhibitory bioactivities.. Industrial Crops and Products, 2015, 73, 16-27.	2.5	67

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19	Monophenolase and Diphenolase Reaction Mechanisms of Apple and Pear Polyphenol Oxidases. Journal of Agricultural and Food Chemistry, 1998, 46, 2968-2975.	2.4	65
20	Monophenolase Activity of Polyphenol Oxidase from Haas Avocado. Journal of Agricultural and Food Chemistry, 1997, 45, 1091-1096.	2.4	64
21	4-Hydroxyanisole: The Most Suitable Monophenolic Substrate for Determining Spectrophotometrically the Monophenolase Activity of Polyphenol Oxidase from Fruits and Vegetables. Analytical Biochemistry, 1998, 259, 118-126.	1.1	63
22	Suicide inactivation of the diphenolase and monophenolase activities of tyrosinase. IUBMB Life, 2010, 62, 539-547.	1.5	63
23	Purification of cynarases from artichoke ( L.): enzymatic properties of cynarase A. Phytochemistry, 2005, 66, 41-49.	1.4	58
24	Effect of pH on the oxidation pathway of dopamine catalyzed by tyrosinase. Archives of Biochemistry and Biophysics, 1991, 288, 427-434.	1.4	57
25	Generation of hydrogen peroxide in the melanin biosynthesis pathway. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1017-1029.	1.1	57
26	Michaelis constants of mushroom tyrosinase with respect to oxygen in the presence of monophenols and diphenols. International Journal of Biochemistry and Cell Biology, 2002, 34, 332-336.	1.2	56
27	Phenolic substrates and suicide inactivation of tyrosinase: kinetics and mechanism. Biochemical Journal, 2008, 416, 431-440.	1.7	56
28	A kinetic study of the suicide inactivation of an enzyme measured through coupling reactions. Application to the suicide inactivation of tyrosinase. Biochemical Journal, 1989, 262, 597-603.	1.7	53
29	Transient-phase kinetics of enzyme inactivation induced by suicide substrates. BBA - Proteins and Proteomics, 1987, 912, 408-416.	2.1	52
30	Action of tyrosinase on alpha and beta-arbutin: A kinetic study. PLoS ONE, 2017, 12, e0177330.	1.1	52
31	L-mimosine a slow-binding inhibitor of mushroom tyrosinase. Phytochemistry, 1987, 26, 917-919.	1.4	51
32	Kinetic study on the effect of pH on the melanin biosynthesis pathway. BBA - Proteins and Proteomics, 1991, 1076, 379-386.	2.1	48
33	Continuous Spectrophotometric Method for Determining Monophenolase and Diphenolase Activities of Pear Polyphenoloxidase. Journal of Food Science, 1996, 61, 1177-1182.	1.5	48
34	Oxidation by mushroom tyrosinase of monophenols generating slightly unstableo-quinones. FEBS Journal, 2000, 267, 5865-5878.	0.2	48
35	Thyme essential oils from Spain: Aromatic profile ascertained by GC-MS, and their antioxidant, anti-lipoxygenase and antimicrobial activities. Journal of Food and Drug Analysis, 2018, 26, 529-544.	0.9	46
36	<i>Salvia officinalis</i> L. Essential Oils from Spain: Determination of Composition, Antioxidant Capacity, Antienzymatic, and Antimicrobial Bioactivities. Chemistry and Biodiversity, 2017, 14, e1700102.	1.0	45

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37	Purification and Kinetic Characterization of an Anionic Peroxidase from Melon ( <i>Cucumis melo</i> L.) Cultivated under Different Salinity Conditions. <i>Journal of Agricultural and Food Chemistry</i> , 2000, 48, 1537-1541.	2.4	44
38	Enzymatic and chemical oxidation of trihydroxylated phenols. <i>Food Chemistry</i> , 2009, 113, 435-444.	4.2	42
39	Enzymatic removal of phenols from aqueous solution by artichoke ( <i>Cynara scolymus</i> L.) extracts. <i>Enzyme and Microbial Technology</i> , 2003, 33, 738-742.	1.6	41
40	Monophenolase activity of polyphenol oxidase from blanquilla pear. <i>Phytochemistry</i> , 1997, 44, 17-22.	1.4	40
41	Thermal Inactivation of Mushroom Polyphenoloxidase Employing 2450 MHz Microwave Radiation. <i>Journal of Agricultural and Food Chemistry</i> , 1999, 47, 3028-3035.	2.4	40
42	<i>Lavandula angustifolia</i> and <i>Lavandula latifolia</i> Essential Oils from Spain: Aromatic Profile and Bioactivities. <i>Planta Medica</i> , 2016, 82, 163-170.	0.7	39
43	Pentacoordinate Nickel(II) Complexes Double Bridged by Phosphate Ester or Phosphinate Ligands: Spectroscopic, Structural, Kinetic, and Magnetic Studies. <i>Chemistry - A European Journal</i> , 2004, 10, 1738-1746.	1.7	38
44	Lavandin ( <i>Lavandula</i> — <i>intermedia</i> Emeric ex Loiseleur) essential oil from Spain: determination of aromatic profile by gas chromatography—mass spectrometry, antioxidant and lipoxigenase inhibitory bioactivities. <i>Natural Product Research</i> , 2016, 30, 1123-1130.	1.0	38
45	<i>In vitro</i> neuroprotective potential of terpenes from industrial orange juice by-products. <i>Food and Function</i> , 2021, 12, 302-314.	2.1	38
46	Monophenolase activity of strawberry polyphenol oxidase. <i>Phytochemistry</i> , 1997, 45, 667-670.	1.4	37
47	Action of ellagic acid on the melanin biosynthesis pathway. <i>Journal of Dermatological Science</i> , 2016, 82, 115-122.	1.0	36
48	Kinetic characterisation of the reaction mechanism of mushroom tyrosinase on tyramine/dopamine and l-tyrosine methyl ester/l-dopa methyl ester. <i>International Journal of Biochemistry and Cell Biology</i> , 2002, 34, 1594-1607.	1.2	35
49	An approximate analytical solution to the lag period of monophenolase activity of tyrosinase. <i>International Journal of Biochemistry and Cell Biology</i> , 2007, 39, 238-252.	1.2	35
50	PROOXIDANT AND ANTIOXIDANT ACTIVITIES OF ROSMARINIC ACID. <i>Journal of Food Biochemistry</i> , 2013, 37, 396-408.	1.2	35
51	Action Mechanism of Tyrosinase on meta- and para-Hydroxylated Monophenols. <i>Biological Chemistry</i> , 2000, 381, 313-20.	1.2	34
52	Stereospecific inactivation of tyrosinase by l- and d-ascorbic acid. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2009, 1794, 244-253.	1.1	34
53	Quantification of the Antioxidant Capacity of Different Molecules and Their Kinetic Antioxidant Efficiencies. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 2062-2070.	2.4	34
54	Tyrosinase inactivation in its action on dopa. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2010, 1804, 1467-1475.	1.1	33

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55	Kinetic Characterization of the Enzymatic and Chemical Oxidation of the Catechins in Green Tea. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 9215-9224.	2.4	32
56	<i>Thymus mastichina</i> L. essential oils from Murcia (Spain): Composition and antioxidant, antienzymatic and antimicrobial bioactivities. <i>PLoS ONE</i> , 2018, 13, e0190790.	1.1	32
57	Experimental Methods for Kinetic Study of Suicide Substrates. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1989, 3, 81-90.	0.5	31
58	Monophenolase Activity of Polyphenol Oxidase from Artichoke Heads ( <i>Cynara scolymus</i> L.). <i>LWT - Food Science and Technology</i> , 1997, 30, 819-825.	2.5	31
59	Kinetic Characterization of Dopamine as a Suicide Substrate of Tyrosinase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1987, 2, 47-56.	0.5	30
60	Catalytic oxidation of 2,4,5-trihydroxyphenylalanine by tyrosinase: identification and evolution of intermediates. <i>BBA - Proteins and Proteomics</i> , 1992, 1160, 221-228.	2.1	30
61	Purification and characterization of a new cationic peroxidase from fresh flowers of <i>Cynara scolymus</i> L.. <i>Journal of Inorganic Biochemistry</i> , 2003, 94, 243-254.	1.5	29
62	Kinetic study in the transient phase of the suicide inactivation of frog epidermis tyrosinase. <i>Biophysical Chemistry</i> , 1988, 30, 303-310.	1.5	28
63	Study of Stereospecificity in Pear and Strawberry Polyphenol Oxidases. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 2469-2473.	2.4	27
64	Enzymatic Method with Polyphenol Oxidase for the Determination of Cysteine and N-Acetylcysteine. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6183-6189.	2.4	27
65	Discrimination between Alternative Substrates and Inhibitors of Tyrosinase. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 2162-2171.	2.4	27
66	A kinetic study of the generation and decomposition of some phenothiazine free radicals formed during enzymatic oxidation of phenothiazines by peroxidase-hydrogen peroxide. <i>Biochemical Pharmacology</i> , 1992, 44, 889-894.	2.0	26
67	Determination of the molar absorptivities of phenothiazine cation radicals generated by oxidation with hydrogen peroxide/peroxidase. <i>Analytical Biochemistry</i> , 1992, 202, 245-248.	1.1	26
68	<i>Rosmarinus officinalis</i> L. essential oils from Spain: composition, antioxidant capacity, lipoxygenase and acetylcholinesterase inhibitory capacities, and antimicrobial activities. <i>Plant Biosystems</i> , 2018, 152, 1282-1292.	0.8	26
69	Comparative study of GC-MS characterization, antioxidant activity and hyaluronidase inhibition of different species of <i>Lavandula</i> and <i>Thymus</i> essential oils. <i>Flavour and Fragrance Journal</i> , 2016, 31, 57-69.	1.2	25
70	Deuterium isotope effect on the oxidation of monophenols and o-diphenols by tyrosinase. <i>Biochemical Journal</i> , 2004, 380, 643-650.	1.7	24
71	Kinetic Characterization of the Oxidation of Esculetin by Polyphenol Oxidase and Peroxidase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2007, 71, 390-396.	0.6	24
72	Ellagic acid: Characterization as substrate of polyphenol oxidase. <i>IUBMB Life</i> , 2009, 61, 171-177.	1.5	24

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73	Unravelling the suicide inactivation of tyrosinase: A discrimination between mechanisms. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 75, 11-19.	1.8	23
74	Composition and Antioxidant, Antienzymatic and Antimicrobial Activities of Volatile Molecules from Spanish <i>Salvia lavandulifolia</i> (Vahl) Essential Oils. <i>Molecules</i> , 2017, 22, 1382.	1.7	23
75	Kinetics of a general model for enzyme activation through a limited proteolysis. <i>Mathematical Biosciences</i> , 1987, 87, 31-45.	0.9	21
76	A continuous spectrophotometric method for the determination of diphenolase activity of tyrosinase using 3,4-dihydroxymandelic acid. <i>Analytical Biochemistry</i> , 1991, 195, 369-374.	1.1	21
77	Kinetics of a model for zymogen activation: The case of high activating enzyme concentrations. <i>Journal of Theoretical Biology</i> , 1988, 132, 51-59.	0.8	20
78	Oxidation of 3,4-dihydroxymandelic acid catalyzed by tyrosinase. <i>BBA - Proteins and Proteomics</i> , 1988, 957, 158-163.	2.1	20
79	<i>Origanum Vulgare</i> and <i>Thymbra Capitata</i> Essential Oils from Spain: Determination of Aromatic Profile and Bioactivities. <i>Natural Product Communications</i> , 2016, 11, 1934578X1601100.	0.2	20
80	Computer program for the expression of the kinetic equations of enzyme reactions as functions of the rate constants and the initial concentrations. <i>Biochemical Journal</i> , 1990, 270, 825-828.	1.7	19
81	Method for the determination of molar absorptivities of thiol adducts formed from diphenolic substrates of polyphenol oxidase. <i>Analytical Biochemistry</i> , 2002, 309, 180-185.	1.1	19
82	Differential substrate behaviour of phenol and aniline derivatives during oxidation by horseradish peroxidase: kinetic evidence for a two-step mechanism. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2004, 1699, 235-243.	1.1	19
83	Solvent deuterium isotope effect on the oxidation of o-diphenols by tyrosinase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2003, 1650, 128-135.	1.1	18
84	Characterization of the action of tyrosinase on resorcinols. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4434-4443.	1.4	18
85	Action of 2,2,4,4-tetrahydroxybenzophenone in the biosynthesis pathway of melanin. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 622-629.	3.6	18
86	Mechanistic implications of variable stoichiometries of oxygen consumption during tyrosinase catalyzed oxidation of monophenols and o-diphenols. <i>BBA - Proteins and Proteomics</i> , 2002, 1597, 140-148.	2.1	17
87	Kinetic Characterization of the Oxidation of Chlorogenic Acid by Polyphenol Oxidase and Peroxidase. Characteristics of theo-Quinone. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 920-928.	2.4	17
88	Reaction mechanism to explain the high kinetic autoactivation of tyrosinase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005, 33, 35-42.	1.8	16
89	Identification of p-hydroxybenzyl alcohol, tyrosol, phloretin and its derivate phloridzin as tyrosinase substrates. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 3738-3746.	1.4	16
90	Study of L-methyl dopa oxidation by tyrosinase. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1986, 18, 39-47.	0.8	15

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91	Kinetic characterization of an enzymatic irreversible inhibition measured in the presence of coupling enzymes. The inhibition of adenosine triphosphatase from sarcoplasmic reticulum by fluorescein isothiocyanate. <i>BBA - Proteins and Proteomics</i> , 1987, 911, 256-260.	2.1	15
92	Effect of pH on the oxidation pathway of L-methyldopa catalysed by tyrosinase. <i>Biochemical Journal</i> , 1990, 272, 459-463.	1.7	15
93	Unification for the Expression of the Monophenolase and Diphenolase Activities of Tyrosinase. <i>IUBMB Life</i> , 2002, 54, 137-141.	1.5	15
94	Determination of hemoglobin through its peroxidase activity on chlorpromazine. <i>Journal of Proteomics</i> , 1991, 23, 45-52.	2.4	14
95	Kinetic characterization of oxyresveratrol as a tyrosinase substrate. <i>IUBMB Life</i> , 2015, 67, 828-836.	1.5	14
96	4-butylresorcinol, a depigmenting agent used in cosmetics, reacts with tyrosinase. <i>IUBMB Life</i> , 2016, 68, 663-672.	1.5	14
97	Interpretation of the reactivity of peroxidase compound II with phenols and anilines using the Marcus equation. <i>Biological Chemistry</i> , 2005, 386, 351-60.	1.2	13
98	Catalytic oxidation of o-aminophenols and aromatic amines by mushroom tyrosinase. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2011, 1814, 1974-1983.	1.1	13
99	Irreversible inhibition of trypsin by tlck. A continuous method for kinetic study of irreversible enzymatic inhibitors in the presence of substrate. <i>International Journal of Biochemistry &amp; Cell Biology</i> , 1986, 18, 285-288.	0.8	12
100	Computer program for the kinetic equations of enzyme reactions. The case in which more than one enzyme species is present at the onset of the reaction. <i>Biochemical Journal</i> , 1991, 278, 91-97.	1.7	12
101	Kinetic study of monophenol and o-diphenol binding to oxytyrosinase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2005, 32, 185-192.	1.8	12
102	Opposite effects of peroxidase in the initial stages of tyrosinase-catalysed melanin biosynthesis. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 1179-1196.	1.2	12
103	Kinetic characterization of the oxidation of catecholamines and related compounds by laccase. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 1256-1266.	3.6	12
104	A kinetic study of the irreversible inhibition of an enzyme measured in the presence of coupled enzymes. Fluorescein isothiocyanate as inhibitor of the adenosinetriphosphatase activity from sarcoplasmic reticulum. <i>BBA - Proteins and Proteomics</i> , 1986, 869, 8-15.	2.1	11
105	Transient-phase kinetics of enzyme inactivation induced by suicide substrates: enzymes involving two substrates. <i>Journal of Molecular Catalysis</i> , 1990, 59, 97-118.	1.2	11
106	Melanogenesis Inhibition Due to NADH. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1777-1787.	0.6	11
107	Kinetic characterization of substrate-analogous inhibitors of tyrosinase. <i>IUBMB Life</i> , 2015, 67, 757-767.	1.5	11
108	Kinetic characterization of a model for zymogen activation: An experimental design and kinetic data analysis. <i>Journal of Molecular Catalysis</i> , 1993, 79, 347-363.	1.2	10

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109	The effect of pH on the suicide inactivation of frog epidermis tyrosinase. BBA - Proteins and Proteomics, 1994, 1205, 282-288.	2.1	10
110	Kinetic characterisation of o-aminophenols and aromatic o-diamines as suicide substrates of tyrosinase. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 647-655.	1.1	10
111	Kinetic characterization of phenol and aniline derivates as substrates of peroxidase. Biological Chemistry, 2004, 385, 795-800.	1.2	9
112	Stereospecificity of horseradish peroxidase. Biological Chemistry, 2004, 385, 1177-84.	1.2	9
113	Tetrahydrofolic Acid Is a Potent Suicide Substrate of Mushroom Tyrosinase. Journal of Agricultural and Food Chemistry, 2011, 59, 1383-1391.	2.4	8
114	Kinetic study of the oxidation of 3-hydroxyanisole catalysed by tyrosinase. Biophysical Chemistry, 2000, 84, 65-76.	1.5	7
115	Melanogenesis inhibition by tetrahydropterines. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2009, 1794, 1766-1774.	1.1	7
116	Kinetics of the trypsinogen activation by enterokinase and/ or trypsin: Coupling of a reaction in which the trypsin acts on one of its substrates. Journal of Molecular Catalysis, 1991, 66, 409-419.	1.2	6
117	Enzyme Inactivation Analyses for Industrial Blanching Applications Employing 2450 Mhz Monomode Microwave Cavities. Journal of Microwave Power and Electromagnetic Energy, 1999, 34, 239-252.	0.4	6
118	Kinetic study of the effects of calcium ions on cationic artichoke (Cynara scolymus L.) peroxidase: calcium binding, steady-state kinetics and reactions with hydrogen peroxide. Biochimie, 2004, 86, 667-676.	1.3	6
119	Study of the inhibition of 3-/4-aminoacetophenones on tyrosinase. Reaction Kinetics, Mechanisms and Catalysis, 2017, 120, 1-13.	0.8	6
120	Study of tyrosine and dopa enantiomers as tyrosinase substrates initiating and melanogenesis pathways. Biotechnology and Applied Biochemistry, 2021, 68, 823-831.	1.4	6
121	Kinetic study of the transient phase of a chemical reaction system coupled to an enzymatically catalyzed step. Biophysical Chemistry, 1987, 27, 15-25.	1.5	5
122	Kinetic study of the oxidation of 4-hydroxyanisole catalyzed by tyrosinase. IUBMB Life, 1997, 41, 1265-1276.	1.5	5
123	A Further Step in the Kinetic Characterisation of the Tyrosinase Enzymatic System. Journal of Mathematical Chemistry, 2007, 41, 393-406.	0.7	5
124	Indirect inactivation of tyrosinase in its action on tyrosine.. Acta Biochimica Polonica, 2011, 58, .	0.3	5
125	Experimental approach to the kinetic study of unstable site-directed irreversible inhibitors: kinetic origin of the apparent positive co-operativity arising from inactivation of trypsin by <i>p</i> -amidinophenylmethanesulphonyl fluoride. Biochemical Journal, 1994, 299, 29-35.	1.7	4
126	Purification and Kinetic Characterization of Peroxidase from Tomato Cultivated under Different Salinity Conditions. Journal of Food Science, 2000, 65, 15-19.	1.5	4



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127	Compound I Formation in Artichoke ( <i>Cynara scolymus</i> L.) Peroxidase Is Modulated by the Equilibrium between Pentacoordinated and 6-Aquo Hexacoordinated Forms of the Heme and by Calcium Ions. <i>Biochemistry</i> , 2003, 42, 8799-8808.	1.2	4
128	Effect of tetrahydropteridines on the monophenolase and diphenolase activities of tyrosinase. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2007, 22, 383-394.	2.5	4
129	Some kinetic properties of deoxytyrosinase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2010, 62, 173-182.	1.8	4
130	Suicide inactivation of tyrosinase in its action on tetrahydropterines. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2011, 26, 728-733.	2.5	4
131	Evaluation of rat liver with ARFI elastography: In vivo and ex vivo study. <i>PLoS ONE</i> , 2019, 14, e0217297.	1.1	4
132	Mechanistic origin of the kinetic cooperativity for the ATPase activity of sarcoplasmic reticulum. <i>Journal of Bioenergetics and Biomembranes</i> , 1987, 19, 383-396.	1.0	3
133	A Kinetic Study of Simultaneous Suicide Inactivation and Irreversible Inhibition of An Enzyme. Application to 1-Aminocyclopropane-1-Carboxylate (Acc) Synthase Inactivation by its Substrate S-Adenosylmethionine. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1993, 7, 1-14.	0.5	3
134	New method of evaluation of the kinetic parameters of bi-exponential enzyme-catalyzed reactions. <i>International Journal of Biochemistry and Cell Biology</i> , 1998, 30, 735-743.	1.2	3
135	Effects of calcium on the thermal stability, stability in organic solvents and resistance to hydrogen peroxide of artichoke ( <i>Cynara scolymus</i> L.) peroxidase: A potential method of enzyme control. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006, 42, 78-84.	1.8	3
136	Kinetic Characterization of the Oxidation of Carbidopa and Benserazide by Tyrosinase and Peroxidase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1308-1313.	0.6	3
137	New features of the steady-state rate related with the initial concentration of substrate in the diphenolase and monophenolase activities of tyrosinase. <i>Journal of Mathematical Chemistry</i> , 2010, 48, 347-362.	0.7	3
138	Enzymatic oxidation of oleuropein and 3- $\alpha$ -hydroxytyrosol by laccase, peroxidase, and tyrosinase. <i>Journal of Food Biochemistry</i> , 2021, 45, e13803.	1.2	3
139	Kinetic cooperativity of tyrosinase. A general mechanism.. <i>Acta Biochimica Polonica</i> , 2011, 58, .	0.3	3
140	Natural insecticides from native plants of the Mediterranean basin and their activity for the control of the date moth <i>Ectomyelois ceratoniae</i> (Zeller) (Lepidoptera: Pyralidae). <i>Journal of Plant Diseases and Protection</i> , 2022, 129, 775-782.	1.6	3
141	Development of a method to measure laccase activity on methoxyphenolic food ingredients and isomers. <i>International Journal of Biological Macromolecules</i> , 2020, 151, 1099-1107.	3.6	2
142	Experimental Method for the Kinetic Study of Unstable and Site-Directed Irreversible Inhibitors and its Application to the Inactivation of Chymotrypsin by Phenylmethylsulfonyl Fluorid. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 1993, 7, 175-190.	0.5	1
143	Effects of Tetrahydropterines on the Generation of Quinones Catalyzed by Tyrosinase. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010, 74, 1108-1109.	0.6	1
144	Tyrosinase affinity towards oxygen: Determination from a conversion time method. <i>Journal of Biotechnology</i> , 2007, 131, S121.	1.9	0

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145	Indigo carmine biodegradation catalysed by soybean peroxidase. <i>New Biotechnology</i> , 2009, 25, S161.	2.4	0
146	Determination and Applications of the Molar Absorptivity of Phenolic Adducts with Captopril and Mesna. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 1143-1150.	2.4	0
147	Lavandin super from Spain: aromatic profile by Enantioselective Gas Chromatographyâ€“Mass Spectrometry. <i>New Biotechnology</i> , 2012, 29, S198-S199.	2.4	0