

Enrico Sanjust

List of Publications by Year in descending order

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76
papers

2,657
citations

172386

29
h-index

189801

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78
all docs

78
docs citations

78
times ranked

3574
citing authors

#	ARTICLE	IF	CITATIONS
1	Inorganic Materials as Supports for Covalent Enzyme Immobilization: Methods and Mechanisms. <i>Molecules</i> , 2014, 19, 14139-14194.	1.7	354
2	Agarose and Its Derivatives as Supports for Enzyme Immobilization. <i>Molecules</i> , 2016, 21, 1577.	1.7	227
3	Tyrosinase Inhibition: General and Applied Aspects. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2002, 17, 207-218.	2.5	137
4	Quantitative evaluation of oxidative stress, chronic inflammatory indices and leptin in cancer patients: Correlation with stage and performance status. <i>International Journal of Cancer</i> , 2002, 98, 84-91.	2.3	135
5	Supercritical CO ₂ Extract of <i>Cinnamomum zeylanicum</i> : Chemical Characterization and Antityrosinase Activity. <i>Journal of Agricultural and Food Chemistry</i> , 2007, 55, 10022-10027.	2.4	97
6	Aflatoxin B1 and M1 Degradation by Lac2 from <i>Pleurotus pulmonarius</i> and Redox Mediators. <i>Toxins</i> , 2016, 8, 245.	1.5	95
7	Laccase from <i>Pleurotus sajor-caju</i> on functionalised SBA-15 mesoporous silica: Immobilisation and use for the oxidation of phenolic compounds. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 58, 175-180.	1.8	91
8	Complete and efficient enzymic hydrolysis of pretreated wheat straw. <i>Process Biochemistry</i> , 2002, 37, 937-941.	1.8	71
9	Characterisation of Accurel MP1004 polypropylene powder and its use as a support for lipase immobilisation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2003, 24-25, 75-82.	1.8	63
10	Mild alkaline/oxidative pretreatment of wheat straw. <i>Process Biochemistry</i> , 1997, 32, 665-670.	1.8	62
11	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. <i>Journal of Molecular Catalysis A</i> , 2008, 288, 97-102.	4.8	61
12	Olive milling wastewater as a medium for growth of four <i>Pleurotus</i> species. <i>Applied Biochemistry and Biotechnology</i> , 1991, 31, 223-235.	1.4	54
13	Induction, purification, and characterization of a laccase isozyme from <i>Pleurotus sajor-caju</i> and the potential in decolorization of textile dyes. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 68, 216-222.	1.8	54
14	Recent Developments in the Delignification and Exploitation of Grass Lignocellulosic Biomass. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 2412-2432.	3.2	48
15	Fe(III)-5,10,15,20-tetrakis(pentafluorophenyl)porphine supported on pyridyl-functionalized, crosslinked poly(vinyl alcohol) as a biomimetic versatile-peroxidase-like catalyst. <i>Journal of Molecular Catalysis A</i> , 2009, 306, 89-96.	4.8	46
16	Biomimetic metalloporphines and metalloporphyrins as potential tools for delignification: Molecular mechanisms and application perspectives. <i>Journal of Molecular Catalysis A</i> , 2014, 388-389, 2-34.	4.8	42
17	Immobilized Lignin Peroxidase-Like Metalloporphyrins as Reusable Catalysts in Oxidative Bleaching of Industrial Dyes. <i>Molecules</i> , 2016, 21, 964.	1.7	40
18	5,10,15,20-Tetrakis(4-sulfonato-phenyl)porphine-Mn(III) immobilized on imidazole-activated silica as a novel lignin-peroxidase-like biomimetic catalyst. <i>Journal of Molecular Catalysis A</i> , 2007, 278, 220-227.	4.8	39

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19	Adsorption of Cu ²⁺ and Zn ²⁺ on SBA-15 mesoporous silica functionalized with triethylenetetramine chelating agent. <i>Journal of Environmental Chemical Engineering</i> , 2019, 7, 103205.	3.3	39
20	Structure–Activity Relationship Study of Hydroxycoumarins and Mushroom Tyrosinase. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 7236-7244.	2.4	38
21	Fungal laccases as tools for biodegradation of industrial dyes. <i>Biocatalysis</i> , 2016, 1, .	2.3	38
22	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
23	Detection of Laccase, Peroxidase, and Polyphenol Oxidase on a Single Polyacrylamide Gel Electrophoresis. <i>Analytical Letters</i> , 1997, 30, 2211-2220.	1.0	33
24	Umbelliferone and Esculetin: Inhibitors or Substrates for Polyphenol Oxidases?. <i>Biological and Pharmaceutical Bulletin</i> , 2008, 31, 2187-2193.	0.6	33
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	Nucleotide Recognition and Phosphate Linkage Hydrolysis at a Lipid Cubic Interface. <i>Journal of the American Chemical Society</i> , 2010, 132, 16176-16184.	6.6	31
28	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
29	3-Hydroxykynurenine as a substrate/activator for mushroom tyrosinase. <i>Archives of Biochemistry and Biophysics</i> , 2003, 412, 272-278.	1.4	29
30	Mediterranean shrubs as potential antioxidant sources. <i>Natural Product Research</i> , 2008, 22, 689-708.	1.0	29
31	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
32	Effects of plant-derived naphthoquinones on the growth of <i>Pleurotus sajor-caju</i> and degradation of the compounds by fungal cultures. <i>Journal of Basic Microbiology</i> , 2001, 41, 253.	1.8	26
33	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
34	Antioxidant, Antimicrobial, and Other Biological Properties of <i>Pompia</i> Juice. <i>Molecules</i> , 2020, 25, 3186.	1.7	26
35	Modeling Novel Quinocofactors: An Overview. <i>Bioorganic Chemistry</i> , 1999, 27, 253-288.	2.0	25
36	Enzyme immobilization on metal organic frameworks: Laccase from <i>Aspergillus</i> sp. is better adapted to ZIF-zni rather than Fe-BTC. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 208, 112147.	2.5	23

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37	Polyphenol oxidase activity staining in polyacrylamide electrophoresis gels. <i>Journal of Proteomics</i> , 1997, 34, 155-159.	2.4	22
38	Cofactor Recycling for Selective Enzymatic Biotransformation of Cinnamaldehyde to Cinnamyl Alcohol. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009, 73, 1224-1226.	0.6	21
39	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
40	Biosynthesis of the topaquinone cofactor in copper amine oxidases. Evidence from model studies. <i>FEBS Journal</i> , 1998, 251, 91-97.	0.2	20
41	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
42	A Hydroxyquinone with Amine Oxidase Activity: Preparation and Properties. <i>Biochemical and Biophysical Research Communications</i> , 1995, 208, 825-834.	1.0	19
43	Some aspects of tyrosine secondary metabolism. <i>Biochemical Pharmacology</i> , 1998, 56, 1089-1096.	2.0	19
44	Metallophthalocyanines as Catalysts in Aerobic Oxidation. <i>Catalysts</i> , 2021, 11, 122.	1.6	19
45	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
46	Novel diazonium-functionalized support for immobilization experiments. <i>Journal of Applied Polymer Science</i> , 1997, 66, 1433-1438.	1.3	17
47	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
48	Commercial lipase immobilization on Accurel MP 1004 porous polypropylene. <i>Biocatalysis and Biotransformation</i> , 2005, 23, 381-386.	1.1	12
49	Assembly of Multicomponent Nano-Bioconjugates Composed of Mesoporous Silica Nanoparticles, Proteins, and Gold Nanoparticles. <i>ACS Omega</i> , 2019, 4, 11044-11052.	1.6	11
50	Purification and Characterization of an NAD(P)H:Quinone Oxidoreductase from <i>Glycine Max</i> Seedlings. <i>Preparative Biochemistry and Biotechnology</i> , 1995, 25, 57-67.	0.4	10
51	Physiological and Phylogenetic Characterization of <i>Rhodotorula diobovata</i> DSBCA06, a Nitrophilous Yeast. <i>Biology</i> , 2018, 7, 39.	1.3	10
52	A highly active fungal β -glucosidase. <i>Applied Biochemistry and Biotechnology</i> , 1994, 44, 263-270.	1.4	9
53	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
54	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

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55	Interference of Some Tryptophan Metabolites in the Formation of Melanin In Vitro. <i>Pigment Cell & Melanoma Research</i> , 2004, 17, 135-141.	4.0	9
56	A dyed substrate for the assay of endo-1, 4- β -glucanases. <i>Journal of Proteomics</i> , 1994, 28, 123-129.	2.4	8
57	Degradation of juglone by <i>Pleurotus sajor-caju</i> . <i>Mycological Research</i> , 2004, 108, 913-918.	2.5	8
58	Imidazole versus pyridine as ligands for metalloporphine immobilization in ligninolytic peroxidases-like biomimetic catalysis. <i>Journal of Molecular Catalysis A</i> , 2014, 394, 129-136.	4.8	8
59	Improved Chromatographic Purification of Peroxidase and β -Glucosidase from <i>Hordeum vulgare</i> Seedlings. <i>Preparative Biochemistry and Biotechnology</i> , 1993, 23, 485-492.	0.4	7
60	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
61	Diafiltration in the presence of ascorbate in the purification of mushroom tyrosinase. <i>Phytochemistry</i> , 1997, 46, 21-22.	1.4	6
62	Copper-Promoted overall transformation of 4- tert -butylphenol to its para -hydroxyquinonic derivative, 2-hydroxy-5- tert -butyl-1,4-benzoquinone. <i>Biomimetic studies on the generation of topaquinone in copper amine oxidases</i> . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 989-992.	1.0	6
63	Flavin-grafted poly(vinyl alcohol): Preparation and properties. <i>Journal of Applied Polymer Science</i> , 2002, 85, 2471-2477.	1.3	6
64	<i>Bacillus subtilis</i> fadB (ysiB) gene encodes an enoyl-CoA hydratase. <i>Annals of Microbiology</i> , 2011, 61, 371-374.	1.1	6
65	The Anti-Microbial Peptide (Lin-SB056-1)2-K Reduces Pro-Inflammatory Cytokine Release through Interaction with <i>Pseudomonas aeruginosa</i> Lipopolysaccharide. <i>Antibiotics</i> , 2020, 9, 585.	1.5	6
66	Biomimetic Sulfide Oxidation by the Means of Immobilized Fe(III)-5,10,15,20-tetrakis(pentafluorophenyl)porphyrin under Mild Experimental Conditions. <i>Journal of Chemistry</i> , 2013, 2013, 1-7.	0.9	5
67	Bioinspired versus Enzymatic Oxidation of Some Homologous Thionine Dyes in the Presence of Immobilized Metalloporphyrin Catalysts and Ligninolytic Enzymes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2553.	1.8	5
68	<i>Cytinus</i> under the Microscope: Disclosing the Secrets of a Parasitic Plant. <i>Plants</i> , 2021, 10, 146.	1.6	5
69	Conservation Status of Milkcaps (Basidiomycota, Russulales, Russulaceae), with Notes on Poorly Known Species. <i>Sustainability</i> , 2021, 13, 10365.	1.6	4
70	<i>Sporobolomyces salmonicolor</i> AS A TOOL FOR NITRATE REMOVAL FROM WASTEWATERS. <i>Environmental Engineering and Management Journal</i> , 2012, 11, 1455-1460.	0.2	4
71	IRREVERSIBLE AFFINITY IMMOBILIZATION OF LENTIL SEEDLING AMINE OXIDASE WITH ACTIVITY RETENTION. <i>Environmental Engineering and Management Journal</i> , 2007, 6, 31-35.	0.2	3
72	Dopaquinone hydroxylation through topaquinone cofactor in copper amine oxidases: A simplified chemical model. <i>IUBMB Life</i> , 1996, 40, 189-197.	1.5	1

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73	Properties of <i>Thermus aquaticus</i> NADH oxidase immobilised on various supports. <i>IUBMB Life</i> , 1997, 41, 555-562.	1.5	1
74	THE SYNTHESIS OF Se-(3-AMINOPROPYL)-SELENOSULFURIC ACID. <i>Phosphorous and Sulfur and the Related Elements</i> , 1982, 13, 357-358.	0.2	0
75	New mercurated resins for covalent immobilisation. <i>European Polymer Journal</i> , 1997, 33, 549-551.	2.6	0
76	O-aminophenol-type tryptophan metabolites: 3-hydroxykynurenine, 3-hydroxyanthranilic acid, and their role in living organisms. <i>Studies in Natural Products Chemistry</i> , 2002, 26, 965-1028.	0.8	0