

# Jacques J M Vervoort

## List of Publications by Year in descending order

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205  
papers

10,673  
citations

25034

57  
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42399

92  
g-index

206  
all docs

206  
docs citations

206  
times ranked

13054  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Liquid Chromatography-Mass Spectrometry-Based Metabolome Database for Tomato. <i>Plant Physiology</i> , 2006, 141, 1205-1218.	4.8	522
2	<i>Cladosporium fulvum</i> Avr4 Protects Fungal Cell Walls Against Hydrolysis by Plant Chitinases Accumulating During Infection. <i>Molecular Plant-Microbe Interactions</i> , 2006, 19, 1420-1430.	2.6	363
3	Metabolomics technologies and metabolite identification. <i>TrAC - Trends in Analytical Chemistry</i> , 2007, 26, 855-866.	11.4	309
4	The Arabidopsis SOMATIC EMBRYOGENESIS RECEPTOR-LIKE KINASE1 Protein Complex Includes BRASSINOSTEROID-INSENSITIVE1. <i>Plant Cell</i> , 2006, 18, 626-638.	6.6	249
5	The <i>Cladosporium fulvum</i> Virulence Protein Avr2 Inhibits Host Proteases Required for Basal Defense. <i>Plant Cell</i> , 2008, 20, 1948-1963.	6.6	230
6	Identification of the major constituents of <i>Hypericum perforatum</i> by LC/SPE/NMR and/or LC/MS. <i>Phytochemistry</i> , 2007, 68, 383-393.	2.9	229
7	LC-UV-Solid-Phase Extraction-NMR-MS Combined with a Cryogenic Flow Probe and Its Application to the Identification of Compounds Present in Greek Oregano. <i>Analytical Chemistry</i> , 2003, 75, 6288-6294.	6.5	228
8	Regioselectivity of Phase II Metabolism of Luteolin and Quercetin by UDP-Glucuronosyl Transferases. <i>Chemical Research in Toxicology</i> , 2002, 15, 662-670.	3.3	219
9	The Host Defense Proteome of Human and Bovine Milk. <i>PLoS ONE</i> , 2011, 6, e19433.	2.5	210
10	Tissue specialization at the metabolite level is perceived during the development of tomato fruit. <i>Journal of Experimental Botany</i> , 2007, 58, 4131-4146.	4.8	189
11	Peroxidase-Catalyzed Formation of Quercetin Quinone Methide-Glutathione Adducts. <i>Archives of Biochemistry and Biophysics</i> , 2000, 378, 224-233.	3.0	159
12	Identification of 14 Quercetin Phase II Mono- and Mixed Conjugates and Their Formation by Rat and Human Phase II in Vitro Model Systems. <i>Chemical Research in Toxicology</i> , 2004, 17, 1520-1530.	3.3	158
13	The PAS fold. <i>FEBS Journal</i> , 2004, 271, 1198-1208.	0.2	151
14	Structure-Activity Study on the Quinone/Quinone Methide Chemistry of Flavonoids. <i>Chemical Research in Toxicology</i> , 2001, 14, 398-408.	3.3	146
15	Breast milk nutrient content and infancy growth. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2016, 105, 641-647.	1.5	142
16	Antimicrobial and Efflux Pump Inhibitory Activity of Caffeoylquinic Acids from <i>Artemisia absinthium</i> against Gram-Positive Pathogenic Bacteria. <i>PLoS ONE</i> , 2011, 6, e18127.	2.5	133
17	Regioselectivity and Reversibility of the Glutathione Conjugation of Quercetin Quinone Methide. <i>Chemical Research in Toxicology</i> , 2000, 13, 185-191.	3.3	128
18	Structural Elucidation and Quantification of Phenolic Conjugates Present in Human Urine after Tea Intake. <i>Analytical Chemistry</i> , 2012, 84, 7263-7271.	6.5	117

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19	Substructure-based annotation of high-resolution multistage MS <sup>n</sup> spectral trees. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 2461-2471.	1.5	117
20	The AVR2-SIX5 gene pair is required to activate $\text{ER}^{\pm}$ -mediated immunity in tomato. <i>New Phytologist</i> , 2015, 208, 507-518.	7.3	113
21	Deflavination and reconstitution of flavoproteins. <i>FEBS Journal</i> , 2003, 270, 4227-4242.	0.2	110
22	Role of Threonines in the Arabidopsis thaliana Somatic Embryogenesis Receptor Kinase 1 Activation Loop in Phosphorylation. <i>Journal of Biological Chemistry</i> , 2001, 276, 41263-41269.	3.4	107
23	Automatic Chemical Structure Annotation of an LC-MS <sup>n</sup> Based Metabolic Profile from Green Tea. <i>Analytical Chemistry</i> , 2013, 85, 6033-6040.	6.5	107
24	Influence of Cellular $\text{ER}^{\pm}/\text{ER}^{\pm 2}$ Ratio on the $\text{ER}^{\pm}$ -Agonist Induced Proliferation of Human T47D Breast Cancer Cells. <i>Toxicological Sciences</i> , 2008, 105, 303-311.	3.1	105
25	Hyphenated chromatographic techniques for the rapid screening and identification of antioxidants in methanolic extracts of pharmaceutically used plants. <i>Journal of Chromatography A</i> , 2006, 1112, 293-302.	3.7	104
26	Natural Disulfide Bond-disrupted Mutants of AVR4 of the Tomato Pathogen Cladosporium fulvum Are Sensitive to Proteolysis, Circumvent Cf-4-mediated Resistance, but Retain Their Chitin Binding Ability. <i>Journal of Biological Chemistry</i> , 2003, 278, 27340-27346.	3.4	102
27	Polyphenol Identification Based on Systematic and Robust High-Resolution Accurate Mass Spectrometry Fragmentation. <i>Analytical Chemistry</i> , 2011, 83, 409-416.	6.5	94
28	Modulation of the gut microbiota impacts nonalcoholic fatty liver disease: a potential role for bile acids. <i>Journal of Lipid Research</i> , 2017, 58, 1399-1416.	4.2	94
29	Inhibition of human glutathione S-transferase P1-1 by the flavonoid quercetin. <i>Chemico-Biological Interactions</i> , 2003, 145, 139-148.	4.0	92
30	A Quantum Mechanical/Molecular Mechanical Study of the Hydroxylation of Phenol and Halogenated Derivatives by Phenol Hydroxylase. <i>Journal of the American Chemical Society</i> , 2000, 122, 8728-8738.	13.7	91
31	Quantum Mechanical/Molecular Mechanical Free Energy Simulations of the GlutathioneS-Transferase (M1-1) Reaction with Phenanthrene 9,10-Oxide. <i>Journal of the American Chemical Society</i> , 2002, 124, 9926-9936.	13.7	90
32	TEAC antioxidant activity of 4-hydroxybenzoates. <i>Free Radical Biology and Medicine</i> , 1999, 27, 1427-1436.	2.9	86
33	Identification of o-quinone/quinone methide metabolites of quercetin in a cellular in vitro system. <i>FEBS Letters</i> , 2002, 520, 30-34.	2.8	86
34	Phase II Metabolism of Hesperetin by Individual UDP-Glucuronosyltransferases and Sulfotransferases and Rat and Human Tissue Samples. <i>Drug Metabolism and Disposition</i> , 2010, 38, 617-625.	3.3	86
35	Interactions of black tea polyphenols with human gut microbiota: implications for gut and cardiovascular health. <i>American Journal of Clinical Nutrition</i> , 2013, 98, 1631S-1641S.	4.7	86
36	Binding of the AVR4 Elicitor of Cladosporium fulvum to Chitotriose Units Is Facilitated by Positive Allosteric Protein-Protein Interactions. <i>Journal of Biological Chemistry</i> , 2004, 279, 16786-16796.	3.4	83

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37	Changes in Milk Proteome and Metabolome Associated with Dry Period Length, Energy Balance, and Lactation Stage in Postparturient Dairy Cows. <i>Journal of Proteome Research</i> , 2013, 12, 3288-3296.	3.7	83
38	Structural Annotation and Elucidation of Conjugated Phenolic Compounds in Black, Green, and White Tea Extracts. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8841-8850.	5.2	80
39	Bovine Milk Proteome in the First 9 Days: Protein Interactions in Maturation of the Immune and Digestive System of the Newborn. <i>PLoS ONE</i> , 2015, 10, e0116710.	2.5	79
40	No Evidence for Binding Between Resistance Gene Product Cf-9 of Tomato and Avirulence Gene Product AVR9 of <i>Cladosporium fulvum</i> . <i>Molecular Plant-Microbe Interactions</i> , 2001, 14, 867-876.	2.6	78
41	The Regioselectivity of Glutathione Adduct Formation with Flavonoid Quinone/Quinone Methides Is pH-Dependent. <i>Chemical Research in Toxicology</i> , 2002, 15, 343-351.	3.3	78
42	Metabolic engineering of geranic acid in maize to achieve fungal resistance is compromised by novel glycosylation patterns. <i>Metabolic Engineering</i> , 2011, 13, 414-425.	7.0	77
43	Rapid and Sustained Systemic Circulation of Conjugated Gut Microbial Catabolites after Single-Dose Black Tea Extract Consumption. <i>Journal of Proteome Research</i> , 2014, 13, 2668-2678.	3.7	77
44	Ab Initio QM/MM Modeling of the Hydroxylation Step in p-Hydroxybenzoate Hydroxylase. <i>Journal of Physical Chemistry B</i> , 2003, 107, 2118-2126.	2.6	76
45	The Muscle Metabolome Differs between Healthy and Frail Older Adults. <i>Journal of Proteome Research</i> , 2016, 15, 499-509.	3.7	76
46	Intra- and inter-metabolite correlation spectroscopy of tomato metabolomics data obtained by liquid chromatography-mass spectrometry and nuclear magnetic resonance. <i>Metabolomics</i> , 2008, 4, 202-215.	3.0	74
47	The race-specific elicitor AVR9 of the tomato pathogen <i>Cladosporium fulvum</i> : a cystine knot protein. <i>FEBS Letters</i> , 1997, 404, 153-158.	2.8	73
48	Plant Micrometabolomics: The Analysis of Endogenous Metabolites Present in a Plant Cell or Tissue. <i>Journal of Proteome Research</i> , 2009, 8, 1694-1703.	3.7	72
49	Impact of nanoparticle surface functionalization on the protein corona and cellular adhesion, uptake and transport. <i>Journal of Nanobiotechnology</i> , 2018, 16, 70.	9.1	70
50	Quenching of Quercetin Quinone/Quinone Methides by Different Thiolate Scavengers: Stability and Reversibility of Conjugate Formation. <i>Chemical Research in Toxicology</i> , 2003, 16, 822-831.	3.3	69
51	Characterization of Chinese Liquor Starter, <i>Daqu</i> , by Flavor Type with <sup>1</sup> H NMR-Based Nontargeted Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 11354-11359.	5.2	67
52	Quercetin Induces Hepatic Lipid Omega-Oxidation and Lowers Serum Lipid Levels in Mice. <i>PLoS ONE</i> , 2013, 8, e51588.	2.5	66
53	The protein and lipid composition of the membrane of milk fat globules depends on their size. <i>Journal of Dairy Science</i> , 2016, 99, 4726-4738.	3.4	65
54	Spectral trees as a robust annotation tool in LC-MS based metabolomics. <i>Metabolomics</i> , 2012, 8, 691-703.	3.0	63

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55	Correlation of Calculated Activation Energies with Experimental Rate Constants for an Enzyme Catalyzed Aromatic Hydroxylation. <i>Journal of the American Chemical Society</i> , 1998, 120, 7641-7642.	13.7	62
56	Gender-Dependent Associations of Metabolite Profiles and Body Fat Distribution in a Healthy Population with Central Obesity: Towards Metabolomics Diagnostics. <i>OMICS A Journal of Integrative Biology</i> , 2012, 16, 652-667.	2.0	61
57	Molecular Orbital-Based Quantitative Structure-Activity Relationship for the Cytochrome P450-Catalyzed 4-Hydroxylation of Halogenated Anilines. <i>Chemical Research in Toxicology</i> , 1994, 7, 590-598.	3.3	60
58	A Novel Purification Method for Histidine-Tagged Proteins Containing a Thrombin Cleavage Site. <i>Analytical Biochemistry</i> , 2001, 295, 180-185.	2.4	59
59	Proteomic study on the stability of proteins in bovine, camel, and caprine milk sera after processing. <i>Food Research International</i> , 2016, 82, 104-111.	6.2	59
60	Identification of <i>in vitro</i> phosphorylation sites in the <i>Arabidopsis thaliana</i> somatic embryogenesis receptor-like kinases. <i>Proteomics</i> , 2009, 9, 368-379.	2.2	57
61	Human Milk Short-Chain Fatty Acid Composition is Associated with Adiposity Outcomes in Infants. <i>Journal of Nutrition</i> , 2019, 149, 716-722.	2.9	57
62	Effect of Processing Intensity on Immunologically Active Bovine Milk Serum Proteins. <i>Nutrients</i> , 2017, 9, 963.	4.1	56
63	Solution Structure of the Lipoyl Domain of the 2-Oxoglutarate Dehydrogenase Complex from <i>Azotobacter vinelandii</i> . <i>Journal of Molecular Biology</i> , 1996, 261, 432-442.	4.2	51
64	Occurrence of the NIH Shift upon the Cytochrome P450-Catalyzed <i>In Vivo</i> and <i>In Vitro</i> Aromatic Ring Hydroxylation of Fluorobenzenes. <i>Chemical Research in Toxicology</i> , 1998, 11, 503-512.	3.3	50
65	Human Glutathione S-Transferase-Mediated Glutathione Conjugation of Curcumin and Efflux of These Conjugates in Caco-2 Cells. <i>Chemical Research in Toxicology</i> , 2007, 20, 1895-1902.	3.3	50
66	Frontier orbital study on the 4-hydroxybenzoate-3-hydroxylase-dependent activity with benzoate derivatives. <i>FEBS Journal</i> , 1992, 206, 479-484.	0.2	49
67	<sup>19</sup> F NMR study on the biodegradation of fluorophenols by various <i>Rhodococcus</i> species. <i>Biodegradation</i> , 1998, 9, 475-486.	3.0	49
68	The effect of varying halogen substituent patterns on the cytochrome P450 catalysed dehalogenation of 4-halogenated anilines to 4-aminophenol metabolites. <i>Biochemical Pharmacology</i> , 1995, 49, 1235-1248.	4.4	47
69	Microsomal metabolism of fluoroanilines. <i>Xenobiotica</i> , 1989, 19, 1297-1305.	1.1	46
70	Integrative analysis of gut microbiota composition, host colonic gene expression and intraluminal metabolites in aging C57BL/6J mice. <i>Aging</i> , 2018, 10, 930-950.	3.1	46
71	<sup>19</sup> F Nuclear Magnetic Resonance as a Tool To Investigate Microbial Degradation of Fluorophenols to Fluorocatechols and Fluoromuconates. <i>Applied and Environmental Microbiology</i> , 1998, 64, 1256-1263.	3.1	46
72	Carbon-13 and nitrogen-15 nuclear-magnetic-resonance investigation on <i>Desulfovibrio vulgaris</i> flavodoxin. <i>FEBS Journal</i> , 1985, 151, 49-57.	0.2	45

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73	Three-Dimensional Structure in Solution of the N-Terminal Lipoyl Domain of the Pyruvate Dehydrogenase Complex from <i>Azotobacter vinelandii</i> . <i>FEBS Journal</i> , 1997, 244, 352-360.	0.2	45
74	Fungal Metabolism of Toluene: Monitoring of Fluorinated Analogs by <sup>19</sup> F Nuclear Magnetic Resonance Spectroscopy. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1030-1034.	3.1	45
75	Human milk peptides differentiate between the preterm and term infant and across varying lactational stages. <i>Food and Function</i> , 2017, 8, 3769-3782.	4.6	45
76	A subnanosecond resolving spectrofluorimeter for the analysis of protein fluorescence kinetics. <i>Journal of Proteomics</i> , 1983, 7, 243-254.	2.4	44
77	Cytochrome P450-mediated oxidation of pentafluorophenol to tetrafluorobenzoquinone as the primary reaction product. <i>Chemical Research in Toxicology</i> , 1993, 6, 674-680.	3.3	44
78	Effect of heat treatment on bacteriostatic activity and protein profile of bovine whey proteins. <i>Food Research International</i> , 2020, 127, 108688.	6.2	44
79	Resistant Starch Induces Catabolic but Suppresses Immune and Cell Division Pathways and Changes the Microbiome in the Proximal Colon of Male Pigs. <i>Journal of Nutrition</i> , 2013, 143, 1889-1898.	2.9	43
80	Physiologically Based Kinetic Models for the Alkenylbenzene Elemicin in Rat and Human and Possible Implications for Risk Assessment. <i>Chemical Research in Toxicology</i> , 2012, 25, 2352-2367.	3.3	42
81	Structural elucidation of low abundant metabolites in complex sample matrices. <i>Metabolomics</i> , 2013, 9, 1009-1018.	3.0	42
82	Tertiary structure of two-electron reduced <i>Megasphaera elsdenii</i> flavodoxin and some implications, as determined by two-dimensional <sup>1</sup> H-NMR and restrained molecular dynamics. <i>FEBS Journal</i> , 1990, 194, 185-198.	0.2	40
83	<i>In Silico</i> Prediction and Automatic LC-MS <sup>n</sup> Annotation of Green Tea Metabolites in Urine. <i>Analytical Chemistry</i> , 2014, 86, 4767-4774.	6.5	39
84	A Systematic Approach to Obtain Validated Partial Least Square Models for Predicting Lipoprotein Subclasses from Serum NMR Spectra. <i>Analytical Chemistry</i> , 2014, 86, 543-550.	6.5	39
85	Difference in the Breast Milk Proteome between Allergic and Non-Allergic Mothers. <i>PLoS ONE</i> , 2015, 10, e0122234.	2.5	39
86	Changes over lactation in breast milk serum proteins involved in the maturation of immune and digestive system of the infant. <i>Journal of Proteomics</i> , 2016, 147, 40-47.	2.4	39
87	Milk Metabolomics Data Reveal the Energy Balance of Individual Dairy Cows in Early Lactation. <i>Scientific Reports</i> , 2018, 8, 15828.	3.3	39
88	Prediction of metabolic status of dairy cows in early lactation with on-farm cow data and machine learning algorithms. <i>Journal of Dairy Science</i> , 2019, 102, 10186-10201.	3.4	39
89	Biosynthetic incorporation of 7-azatryptophan into the phage lambda lysozyme: estimation of tryptophan accessibility, effect on enzymatic activity and protein stability. <i>Protein Engineering, Design and Selection</i> , 1995, 8, 451-456.	2.1	38
90	Physiologically based biokinetic model of bioactivation and detoxification of the alkenylbenzene methyleugenol in rat. <i>Toxicology in Vitro</i> , 2011, 25, 267-285.	2.4	38

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91	Regioselectivity and Quantitative Structure-Activity Relationships for the Conjugation of a Series of Fluoronitrobenzenes by Purified Glutathione-S-Transferase Enzymes from Rat and Man. <i>Chemical Research in Toxicology</i> , 1996, 9, 638-646.	3.3	37
92	Congruence of Transcription Programs in Adult Stem Cell-Derived Jejunal Organoids and Original Tissue During Long-Term Culture. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 375.	3.7	37
93	Raman Spectra of Flavin Bound in Flavodoxins and in Other Flavoproteins. Evidence for Structural Variations in the Flavin-Binding Region. <i>FEBS Journal</i> , 1983, 131, 639-645.	0.2	35
94	A new hypothesis for the mechanism for cytochrome P-450 dependent aerobic conversion of hexahalogenated benzenes to pentahalogenated phenols. <i>Chemical Research in Toxicology</i> , 1992, 5, 10-19.	3.3	35
95	Combined quantum mechanical and molecular mechanical reaction pathway calculation for aromatic hydroxylation by p-hydroxybenzoate-3-hydroxylase. <i>Journal of Molecular Graphics and Modelling</i> , 1999, 17, 163-175.	2.4	35
96	Efficient <sup>13</sup> C/ <sup>15</sup> N double labeling of the avirulence protein AVR4 in a methanol-utilizing strain (Mut+) of <i>Pichia pastoris</i> . <i>Journal of Biomolecular NMR</i> , 2001, 20, 251-261.	2.8	34
97	Effect of the DGAT1 K232A genotype of dairy cows on the milk metabolome and proteome. <i>Journal of Dairy Science</i> , 2015, 98, 3460-3469.	3.4	34
98	Perspective on calf and mammary gland development through changes in the bovine milk proteome over a complete lactation. <i>Journal of Dairy Science</i> , 2015, 98, 5362-5373.	3.4	34
99	Use of physiologically based kinetic modeling-facilitated reverse dosimetry of in vitro toxicity data for prediction of in vivo developmental toxicity of tebuconazole in rats. <i>Toxicology Letters</i> , 2017, 266, 85-93.	0.8	33
100	Relationship between energy balance and metabolic profiles in plasma and milk of dairy cows in early lactation. <i>Journal of Dairy Science</i> , 2020, 103, 4795-4805.	3.4	33
101	Building-Up a Comprehensive Database of Flavonoids Based on Nuclear Magnetic Resonance Data. <i>Chromatographia</i> , 2006, 64, 503-508.	1.3	32
102	Recombinant expression and functional characterisation of regiospecific flavonoid glucosyltransferases from <i>Hieracium pilosella</i> L.. <i>Planta</i> , 2009, 229, 1135-1146.	3.2	31
103	Physiologically based kinetic modeling of the bioactivation of myristicin. <i>Archives of Toxicology</i> , 2017, 91, 713-734.	4.2	31
104	Interindividual Differences in Human Intestinal Microbial Conversion of (âˆ“)âˆ“)-Epicatechin to Bioactive Phenolic Compounds. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 14168-14181.	5.2	31
105	Quantitative Structure-Activity Relationships Based on Computer Calculated Parameters for the Overall Rate of Glutathione S-Transferase Catalyzed Conjugation of a Series of Fluoronitrobenzenes. <i>Chemical Research in Toxicology</i> , 1995, 8, 481-488.	3.3	30
106	Reductive deamination as a new step in the anaerobic microbial degradation of halogenated anilines. <i>FEMS Microbiology Letters</i> , 2002, 209, 307-312.	1.8	30
107	LC-MS-SPE-NMR for the Isolation and Characterization of neo-Clerodane Diterpenoids from <i>Teucrium luteum</i> subsp. <i>flavovirens</i> . <i>Journal of Natural Products</i> , 2010, 73, 962-965.	3.0	30
108	Modelling flavin and substrate substituent effects on the activation barrier and rate of oxygen transfer by p-hydroxybenzoate hydroxylase. <i>FEBS Letters</i> , 2000, 478, 197-201.	2.8	29

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109	Consequences of quercetin methylation for its covalent glutathione and DNA adduct formation. <i>Chemico-Biological Interactions</i> , 2006, 160, 193-203.	4.0	29
110	QSAR Models for Predicting in Vivo Aquatic Toxicity of Chlorinated Alkanes to Fish. <i>Chemical Research in Toxicology</i> , 2008, 21, 739-745.	3.3	29
111	Metabolomics of Milk Reflects a Negative Energy Balance in Cows. <i>Journal of Proteome Research</i> , 2020, 19, 2942-2949.	3.7	29
112	Properties of the complexes of riboflavin 3',5'-bisphosphate and the apoflavodoxins from <i>Megasphaera elsdenii</i> and <i>Desulfovibrio vulgaris</i> . <i>FEBS Journal</i> , 1986, 161, 749-756.	0.2	27
113	Reaction pathways for biodehalogenation of fluorinated anilines. <i>FEBS Journal</i> , 1990, 194, 945-954.	0.2	27
114	<sup>19</sup> F NMR Study on the Regiospecificity of Hydroxylation of Tetrafluoro-4-hydroxybenzoate by Wild-Type and Y385Fp-Hydroxybenzoate Hydroxylase: Evidence for a Consecutive Oxygenolytic Dehalogenation Mechanism. <i>Biochemistry</i> , 1997, 36, 14192-14201.	2.5	27
115	Identification of fungal oxaloacetate hydrolyase within the isocitrate lyase/PEP mutase enzyme superfamily using a sequence marker-based method. <i>Proteins: Structure, Function and Bioinformatics</i> , 2008, 70, 157-166.	2.6	27
116	Nutraceutical oleuropein supplementation prevents high fat diet-induced adiposity in mice. <i>Journal of Functional Foods</i> , 2015, 14, 702-715.	3.4	27
117	Effect of milk serum proteins on aggregation, bacteriostatic activity and digestion of lactoferrin after heat treatment. <i>Food Chemistry</i> , 2021, 337, 127973.	8.2	27
118	NMR studies on p-hydroxybenzoate hydroxylase from <i>Pseudomonas fluorescens</i> and salicylate hydroxylase from <i>Pseudomonas putida</i> . <i>FEBS Journal</i> , 1991, 200, 731-738.	0.2	26
119	Mode of action based risk assessment of the botanical food-borne alkenylbenzene apiol from parsley using physiologically based kinetic (PBK) modelling and read-across from safrole. <i>Food and Chemical Toxicology</i> , 2016, 89, 138-150.	3.6	26
120	NADPH-cytochrome reductase catalysed redox cycling of 1,4-benzoquinone; hampered at physiological conditions, initiated at increased pH values. <i>Biochemical Pharmacology</i> , 1994, 47, 1949-1955.	4.4	25
121	Modification of chrysanthemum odour and taste with chrysanthemol synthase induces strong dual resistance against cotton aphids. <i>Plant Biotechnology Journal</i> , 2018, 16, 1434-1445.	8.3	25
122	<sup>19</sup> F-NMR study on the pH-dependent regioselectivity and rate of the ortho-hydroxylation of 3-fluorophenol by phenol hydroxylase from <i>Trichosporon cutaneum</i> . Implications for the reaction mechanism. <i>FEBS Journal</i> , 1993, 218, 345-353.	0.2	24
123	Preferential oxidative dehalogenation upon conversion of 2-halophenols by <i>Rhodococcus opacus</i> 1G. <i>FEMS Microbiology Letters</i> , 1999, 181, 73-82.	1.8	24
124	Proteomic analysis of <i>Glossina pallidipes</i> salivary gland hypertrophy virus virions for immune intervention in tsetse fly colonies. <i>Journal of General Virology</i> , 2010, 91, 3065-3074.	2.9	24
125	Lifelong calorie restriction affects indicators of colonic health in aging C57Bl/6J mice. <i>Journal of Nutritional Biochemistry</i> , 2018, 56, 152-164.	4.2	24
126	Affinity of Avr2 for tomato cysteine protease Rcr3 correlates with the Avr2-triggered Cf-2-mediated hypersensitive response. <i>Molecular Plant Pathology</i> , 2011, 12, 21-30.	4.2	23

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127	MetIDB: A Publicly Accessible Database of Predicted and Experimental <sup>1</sup> H NMR Spectra of Flavonoids. <i>Analytical Chemistry</i> , 2013, 85, 8700-8707.	6.5	23
128	Identification of lipid synthesis and secretion proteins in bovine milk. <i>Journal of Dairy Research</i> , 2014, 81, 65-72.	1.4	23
129	Determination and risk assessment of naturally occurring genotoxic and carcinogenic alkenylbenzenes in basil-containing sauce of pesto. <i>Toxicology Reports</i> , 2017, 4, 1-8.	3.3	23
130	Computer calculation-based quantitative structure-activity relationships for the oxidation of phenol derivatives horseradish peroxidase compound II. <i>Journal of Biological Inorganic Chemistry</i> , 1996, 1, 460-467.	2.6	22
131	Identification of Fluoropyrogallols as New Intermediates in Biotransformation of Monofluorophenols in <i>Rhodococcus opacus</i> 1cp. <i>Applied and Environmental Microbiology</i> , 2000, 66, 2148-2153.	3.1	22
132	Automated quantum mechanical total line shape fitting model for quantitative NMR-based profiling of human serum metabolites. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3091-3102.	3.7	22
133	A two-dimensional <sup>1</sup> H-NMR study on <i>Megasphaera elsdenii</i> flavodoxin in the oxidized state and some comparisons with the two-electron-reduced state. <i>FEBS Journal</i> , 1990, 194, 199-216.	0.2	21
134	<i>Syringa oblata</i> Lindl var. <i>alba</i> as a source of oleuropein and related compounds. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 160-166.	3.5	21
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