

# Selim Kermasha

## List of Publications by Year in descending order

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77  
papers

1,316  
citations

304743

22  
h-index

434195

31  
g-index

79  
all docs

79  
docs citations

79  
times ranked

987  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lipase-catalyzed esterification of cinnamic acid and oleyl alcohol in organic solvent media. <i>Journal of Chemical Technology and Biotechnology</i> , 2005, 80, 462-468.	3.2	72
2	Lipase-catalyzed transesterification of dihydrocaffeic acid with flaxseed oil for the synthesis of phenolic lipids. <i>Journal of Biotechnology</i> , 2006, 127, 167-176.	3.8	60
3	Lipase-catalyzed transesterification of trilinolein or trilinolenin with selected phenolic acids. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2006, 83, 101-107.	1.9	58
4	Extraction, purification, and characterization of chlorophylls from spinach leaves. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 215-220.	5.2	49
5	Enzymatic synthesis of structured phenolic lipids by acidolysis of flaxseed oil with selected phenolic acids. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 52-53, 96-105.	1.8	43
6	Lipase-catalyzed biosynthesis of cinnamoylated lipids in a selected organic solvent medium. <i>Journal of Biotechnology</i> , 2005, 119, 281-290.	3.8	40
7	Enzymatic synthesis of structured phenolic lipids by incorporation of selected phenolic acids into triolein. <i>Biocatalysis and Biotransformation</i> , 2006, 24, 272-279.	2.0	39
8	Lipase-catalyzed synthesis of phenolic lipids from fish liver oil and dihydrocaffeic acid. <i>Biocatalysis and Biotransformation</i> , 2007, 25, 211-218.	2.0	39
9	Lipase-Catalyzed Esterification of Selected Phenolic Acids With Linolenyl Alcohols in Organic Solvent Media. <i>Applied Biochemistry and Biotechnology</i> , 2005, 127, 017-028.	2.9	36
10	Laccase-catalyzed oxidation of phenolic compounds in organic media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2009, 57, 89-95.	1.8	34
11	Characterization of Hydroperoxides and Carbonyl Compounds Obtained by Lipoyxygenase Extracts of Selected Microorganisms. <i>Bioscience, Biotechnology and Biochemistry</i> , 1997, 61, 1262-1269.	1.3	33
12	Characterization of lipoyxygenase extracts from <i>Penicillium</i> sp.. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 2000, 77, 335-342.	1.9	33
13	Biocatalysis of tyrosinase using catechin as substrate in selected organic solvent media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 929-938.	1.8	31
14	Lipase-catalyzed synthesis of structured phenolic lipids in solvent-free system using flaxseed oil and selected phenolic acids as substrates. <i>Journal of Biotechnology</i> , 2012, 158, 128-136.	3.8	29
15	Microencapsulation of krill oil using complex coacervation. <i>Journal of Microencapsulation</i> , 2014, 31, 774-784.	2.8	28
16	Lipase-catalyzed acidolysis of fish liver oil with dihydroxyphenylacetic acid in organic solvent media. <i>Process Biochemistry</i> , 2009, 44, 1193-1199.	3.7	27
17	Changes in chemical composition of the kew cultivar of pineapple fruit during development. <i>Journal of the Science of Food and Agriculture</i> , 1987, 39, 317-324.	3.5	26
18	Enzymatic esterification of dihydrocaffeic acid with linoleyl alcohol in organic solvent media. <i>Biocatalysis and Biotransformation</i> , 2005, 23, 37-44.	2.0	26

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19	Lipase-catalyzed synthesis and characterization of flaxseed oil-based structured lipids. <i>Journal of Functional Foods</i> , 2013, 5, 424-433.	3.4	25
20	Production of flavor compounds by hydroperoxide lyase from enzymatic extracts of <i>Penicillium</i> sp.. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 19-20, 479-487.	1.8	23
21	Biocatalysis of lipoxygenase in selected organic solvent media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2001, 11, 909-919.	1.8	22
22	Biocatalysis by immobilized lipoxygenase in a ternary micellar system. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 19-20, 305-317.	1.8	22
23	Immobilization and biocatalysis of chlorophyllase in selected organic solvent systems. <i>Journal of Biotechnology</i> , 2005, 120, 273-283.	3.8	22
24	Vitamin E inhibits fish oil-induced hyperlipidemia and tissue lipid peroxidation in hamsters. <i>Lipids</i> , 1996, 31, 839-847.	1.7	21
25	Biocatalysis by tyrosinase in organic solvent media; a model system using catechin and vanillin as substrates. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 1997, 2, 199-213.	1.8	21
26	Modeling lipase-catalyzed interesterification of flaxseed oil and tricaprylin for the synthesis of structured lipids. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 102, 33-40.	1.8	21
27	Partial purification and characterization of lipoxygenase of canola seed ( <i>Brassica napus</i> var. Westar). <i>Journal of Agricultural and Food Chemistry</i> , 1990, 38, 2003-2008.	5.2	20
28	Enzymatic synthesis of phenolic lipids in solvent-free medium using flaxseed oil and 3,4-dihydroxyphenyl acetic acid. <i>Process Biochemistry</i> , 2012, 47, 1813-1819.	3.7	20
29	Optimization of the Hydrolysis of Safflower Oil for the Production of Linoleic Acid, Used as Flavor Precursor. <i>International Journal of Food Science</i> , 2015, 2015, 1-10.	2.0	17
30	Biocatalysis of immobilized chlorophyllase in a ternary micellar system. <i>Journal of Biotechnology</i> , 1999, 75, 45-55.	3.8	16
31	Interestification of Butterfat by Lipase from <i>Rhizopus niveus</i> in Reverse Micellar Systems. <i>Bioscience, Biotechnology and Biochemistry</i> , 1994, 58, 1553-1557.	1.3	15
32	Biocatalysis of chlorophyllase from <i>Phaeodactylum tricornutum</i> in a biphasic organic system. <i>Journal of Chemical Technology and Biotechnology</i> , 1994, 60, 73-81.	3.2	15
33	Biocatalysis of chlorophyllase from <i>Phaeodactylum tricornutum</i> in micellar ternary system containing spans. <i>Journal of Biotechnology</i> , 1996, 45, 253-264.	3.8	15
34	Partial purified lipoxygenase from <i>Fusarium oxysporum</i> : characterization and kinetic studies. <i>Process Biochemistry</i> , 1995, 30, 261-268.	3.7	14
35	Encapsulation of chlorophyllase in hydrophobically modified hydrogel. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 19-20, 319-325.	1.8	14
36	Stability of Immobilized Soybean Lipoxygenase in Selected Organic Solvent Media. <i>Applied Biochemistry and Biotechnology</i> , 2005, 127, 029-042.	2.9	14

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37	Stabilization of an enzymatic extract from <i>Penicillium camemberti</i> containing lipoxygenase and hydroperoxide lyase activities. <i>Process Biochemistry</i> , 2008, 43, 258-264.	3.7	14
38	Controlling sol-gel properties enhancing entrapped membrane protein activity through doping additives. <i>Journal of Sol-Gel Science and Technology</i> , 2007, 43, 161-170.	2.4	13
39	Changes in lipoxygenase and hydroperoxide isomerase activities during the development and storage of French bean seed. <i>Journal of the Science of Food and Agriculture</i> , 1987, 40, 1-10.	3.5	12
40	Biocatalysis of tyrosinase in chloroform medium, using selected phenolic substrates. <i>Journal of Chemical Technology and Biotechnology</i> , 2000, 75, 475-483.	3.2	12
41	Characterization of an enriched lipoxygenase extract from <i>Aspergillus niger</i> in terms of specificity and nature of flavor precursors production. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2004, 29, 201-209.	1.8	12
42	Secondary structure conformation of hydroperoxide lyase from green bell pepper, cloned in <i>Yarrowia lipolytica</i> , and its activity in selected media. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 52-53, 128-132.	1.8	11
43	Lipase-catalyzed transesterification of krill oil and 3,4-dihydroxyphenyl acetic acid in solvent-free medium using response surface methodology. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2012, 84, 189-197.	1.8	11
44	Microencapsulation of esterified krill oil, using complex coacervation. <i>Journal of Microencapsulation</i> , 2018, 35, 36-48.	2.8	11
45	Biocatalysis of Chlorophyllase in Ternary Micellar Systems Using Pheophytins as Substrates. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 68, 315-323.	3.2	10
46	Lipase-catalyzed Synthesis of Medium-Long-Chain Type Structured Lipids Using Tricaprylin and Trilinolenin as Substrate Models. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2013, 90, 377-389.	1.9	10
47	Optimization of Lipase-catalyzed Interesterification of Flaxseed Oil and Tricaprylin Using Response Surface Methodology. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2014, 91, 395-403.	1.9	10
48	Biocatalysis of silica gel-immobilized chlorophyllase in a ternary micellar system. <i>Process Biochemistry</i> , 2000, 35, 1103-1109.	3.7	9
49	Optimization of Chlorophyllase-catalyzed Hydrolysis of Chlorophyll in Monophasic Organic Solvent Media. <i>Applied Biochemistry and Biotechnology</i> , 2007, 142, 263-275.	2.9	9
50	Immobilization of an enzymatic extract from <i>Penicillium camemberti</i> containing lipoxygenase and hydroperoxide lyase activities. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 52-53, 88-95.	1.8	9
51	Screening trials for the encapsulation of laccase enzymatic extract in silica sol-gel. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 85, 657-663.	2.4	9
52	Immobilization of Lipase from <i>Rhizopus Niveus</i> : A Way to Enhance its Synthetic Activity in Organic Solvent. <i>Biocatalysis and Biotransformation</i> , 1999, 16, 411-426.	2.0	8
53	Characterization of the biocatalysis of tyrosinase in selected organic solvent media using model phenolic substrates. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2002, 19-20, 335-345.	1.8	8
54	Activation and Stabilization of The Hydroperoxide Lyase Enzymatic Extract from Mint Leaves ( <i>Mentha</i> )	2.9	8

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55	Matrix physicochemical properties affect activity of entrapped chlorophyllase. Journal of Chemical Technology and Biotechnology, 2005, 80, 1395-1402.	3.2	7
56	Synthesis of Linoleic Acid Hydroperoxides as Flavor Precursors, Using Selected Substrate Sources. JAOCS, Journal of the American Oil Chemists' Society, 2014, 91, 1867-1876.	1.9	7
57	Biocatalysis of chlorophyllase in a ternary micellar system containing Span 85 using purified and oxidized pheophytins as substrates. Journal of Biotechnology, 1997, 55, 181-191.	3.8	6
58	Optimization of enzymatic assay for the measurement of lipoxygenase activity in organic solvent media. JAOCS, Journal of the American Oil Chemists' Society, 2005, 82, 817-823.	1.9	6
59	Biocatalysis with hydroperoxide lyase in extracts from <i>Penicillium camemberti</i> in neat organic solvent media. Biocatalysis and Biotransformation, 2013, 31, 94-99.	2.0	6
60	Biocatalysis of chlorophyllase from <i>Phaeodactylum tricornutum</i> in organic solvent media. Process Biochemistry, 1995, 30, 159-168.	3.7	5
61	Biogeneration of Short Chain Fatty Acid Esters by <i>Pseudomonas Fragi</i> CRDA 037. Biocatalysis and Biotransformation, 1999, 17, 269-282.	2.0	5
62	Chlorophyllase biocatalysis in an aqueous/miscible organic solvent medium containing canola oil. JAOCS, Journal of the American Oil Chemists' Society, 2004, 81, 927-932.	1.9	5
63	Optimization of tetramethoxysilane-derived sol gel entrapment protocol stabilizes highly active chlorophyllase. Journal of Sol-Gel Science and Technology, 2006, 38, 251-259.	2.4	5
64	Nanoporous Sol-Gel Supports Enzymatic Hydrolysis of Chlorophyll in Organic Media. ACS Symposium Series, 2008, , 199-213.	0.5	5
65	Assessment of the Antioxidant Capacity and Oxidative Stability of Esterified Phenolic Lipids in Selected Edible Oils. Journal of Food Science, 2014, 79, H730-7.	3.1	5
66	Lyoprotection and stabilization of laccase extract from <i>Coriolus hirsutus</i> , using selected additives. AMB Express, 2018, 8, 152.	3.0	5
67	Laccase-catalyzed oxidative cross-linking of tyrosine and potato patatin- and lysozyme-derived peptides: Molecular and kinetic study. Enzyme and Microbial Technology, 2021, 143, 109694.	3.2	5
68	Changes in lipid components during the development of the french bean seed ( <i>Phaseolus vulgaris</i> ). Journal of the Science of Food and Agriculture, 1986, 37, 652-658.	3.5	4
69	Chromatographic Separation of Synthesized Phenolic Lipids from Krill Oil and Dihydroxyphenyl Acetic Acid. JAOCS, Journal of the American Oil Chemists' Society, 2012, 89, 597-608.	1.9	4
70	Selected dehydrogenases in <i>Yarrowia lipolytica</i> JMY 861: their role in the synthesis of flavor compounds. Bioscience, Biotechnology and Biochemistry, 2016, 80, 2184-2191.	1.3	3
71	Production of flavour precursors by <i>Penicillium candidum</i> using selected polyunsaturated fatty acids. Flavour and Fragrance Journal, 2005, 20, 690-702.	2.6	2
72	Immobilization of enzymes and their use in biotechnological applications. , 2021, , 133-170.		2

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73	Characterization of partially purified extracellular lipase fractions from <i>Pseudomonas fragi</i> CRDA 037. <i>JAACS, Journal of the American Oil Chemists' Society</i> , 1999, 76, 1301.	1.9	1
74	Selected industrial enzymes. , 2021, , 259-305.		1
75	Diastatic Activity of Forage Additive Products Containing Malt Flour. <i>Journal of the Association of Official Analytical Chemists</i> , 1990, 73, 213-215.	0.2	0
76	Fourier Transform Infrared Study of Lipoxygenase Conformation in Organic Solvent Media. <i>Applied Spectroscopy</i> , 2006, 60, 168-173.	2.2	0
77	Biocatalysis of enzymes in nonconventional media. , 2021, , 171-201.		0