Maya H Guncheva

List of Publications by Year
in descending order

42	509	759233 12	713466 21
papers	citations	h-index	g-index

42	42	42	709
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic properties and potential applications of Bacillus lipases. Journal of Molecular Catalysis B: Enzymatic, 2011, 68, 1-21.	1.8	123
2	Effect of nonionic detergents on the activity of a thermostable lipase from Bacillus stearothermophilus MC7. Journal of Molecular Catalysis B: Enzymatic, 2007, 49, 88-91.	1.8	27
3	Elucidation of the effect of some cholinium amino acid ionic liquids on the thermal and the conformational stability of insulin. Journal of Molecular Liquids, 2019, 283, 257-262.	4.9	27
4	Thermal and conformational stability of insulin in the presence of imidazolium-based ionic liquids. Journal of Thermal Analysis and Calorimetry, 2016, 123, 2591-2598.	3.6	26
5	High-yield synthesis of wax esters catalysed by modified Candida rugosa lipase. Biotechnology Letters, 2008, 30, 509-512.	2.2	24
6	Immobilization of lipase from Candida rugosa on novel phosphorous-containing polyurethanes: Application in wax ester synthesis. Process Biochemistry, 2011, 46, 923-930.	3.7	24
7	Modification of Rapana thomasiana hemocyanin with choline amino acid salts significantly enhances its antiproliferative activity against MCF-7 human breast cancer cells. RSC Advances, 2015, 5, 63345-63354.	3.6	20
8	1H-benzimidazole-2-yl hydrazones as tubulin-targeting agents: Synthesis, structural characterization, anthelmintic activity and antiproliferative activity against MCF-7 breast carcinoma cells and molecular docking studies. Chemico-Biological Interactions, 2021, 345, 109540.	4.0	20
9	Ketoprofen-Based Ionic Liquids: Synthesis and Interactions with Bovine Serum Albumin. Molecules, 2020, 25, 90.	3.8	18
10	Do Nâ€terminal nucleophile hydrolases indeed have a single amino acid catalytic center?. FEBS Journal, 2009, 276, 2589-2598.	4.7	16
11	Acidolysis of Tripalmitin with Oleic Acid Catalyzed by a Newly Isolated Thermostable Lipase. JAOCS, Journal of the American Oil Chemists' Society, 2008, 85, 129-132.	1.9	15
12	Stabilization of Candida rugosa lipase on nanosized zirconia-based materials. Journal of Molecular Catalysis B: Enzymatic, 2014, 108, 43-50.	1.8	15
13	Novel nanostructured tin dioxide as promising carrier for Candida rugosa lipase. Process Biochemistry, 2011, 46, 2170-2177.	3.7	13
14	Rapana thomasiana hemocyanin modified with ionic liquids with enhanced anti breast cancer activity. International Journal of Biological Macromolecules, 2016, 82, 798-805.	7.5	13
15	Effect of two series ionic liquids based on non-nutritive sweeteners on catalytic activity and stability of the industrially important lipases from Candida rugosa and Rhizopus delemar. Journal of Molecular Catalysis B: Enzymatic, 2015, 117, 62-68.	1.8	12
16	Kinetic studies and molecular modelling attribute a crucial role in the specificity and stereoselectivity of penicillin acylase to the pair ArgA145-ArgB263. FEBS Journal, 2004, 271, 2272-2279.	0.2	11
17	Salicylic Acid as Ionic Liquid Formulation May Have Enhanced Potency to Treat Some Chronic Skin Diseases. Molecules, 2022, 27, 216.	3.8	10
18	Nanostructured tin dioxide â€“ a promising multipurpose support material for catalytic and biocatalytic applications. Chemical Engineering Journal, 2014, 252, 55-63.	12.7	8

#	Article	IF	Citations
19	Modulation of the binding affinity of naproxen to bovine serum albumin by conversion of the drug into amino acid ester salts. Journal of Molecular Liquids, 2020, 319, 114283.	4.9	8
20	Properties of immobilized lipase from BacillusÂstearothermophilus MC7. Acidolysis of triolein with caprylic acid. World Journal of Microbiology and Biotechnology, 2009, 25, 727-731.	3.6	7
21	Pistacia lentiscus by-product as a promising source of phenolic compounds and carotenoids: Purification, biological potential and binding properties. Food and Bioproducts Processing, 2021, 126, 245-255.	3.6	7
22	Excellent Stability and Synthetic Activity of Lipase fromB. StearothermophilusMC7 Immobilized on Tin Dioxide in Environmentally Friendly Medium. Biotechnology and Biotechnological Equipment, 2013, 27, 4317-4322.	1.3	6
23	Novel hybrid materials on the basis of nanostructured tin dioxide and a lipase from Rhizopus delemar with improved enantioselectivity. Journal of Molecular Catalysis B: Enzymatic, 2014, 102, 72-80.	1.8	6
24	Nanosized tin dioxide â€" Unexplored carrier for lipase immobilization. Catalysis Communications, 2011, 16, 205-209.	3.3	5
25	Effect of Four Commonly Used Dissolution Media Surfactants on Pancreatin Proteolytic Activity. AAPS PharmSciTech, 2017, 18, 1402-1407.	3.3	5
26	Role of ionic liquids on stabilization of therapeutic proteins and model proteins. Protein Journal, 2022, 41, 369-380.	1.6	5
27	Arylamidase activity of neutral proteinase from Saccharomonospora canescens. Comparison with other Zn-proteinases that exhibit the same activity. BBA - Proteins and Proteomics, 2002, 1597, 335-338.	2.1	4
28	Folate-conjugated Helix lucorum hemocyanin â€" preparation, stability, and cytotoxicity. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2020, 75, 23-30.	1.4	4
29	Hydrolysis of phenylacetanilides catalyzed by penicillin G acylase from Alcaligenes faecalis: Sensitivity of the reaction to substitution in the leaving group. Catalysis Communications, 2009, 11, 196-201.	3.3	3
30	Evaluation of the inhibitory potential of five squaric acid derivatives against pancreatic lipase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2011, 26, 587-591.	5.2	3
31	Structure and properties of a series of 2-cinnamoyl-1,3-indandiones and their metal complexes. Journal of the Iranian Chemical Society, 2012, 9, 297-306.	2.2	3
32	Walnut Oil - Unexplored Raw Material for Lipase-Catalyzed Synthesis of Low-Calorie Structured Lipids for Clinical Nutrition. Journal of Food Biochemistry, 2015, 39, 603-611.	2.9	3
33	Tetraalkylammonium acetates and tetraalkylammonium tetrafluoroborates as new templates for room-temperature synthesis of mesoporous silica spheres. Journal of Porous Materials, 2018, 25, 935-943.	2.6	3
34	Phytochemical Profile and Anti-lipase Activity of Balkan Endemic Jurinea tzar-ferdinandii. Natural Product Communications, 2018, 13, 1934578X1801300.	0.5	3
35	Destabilization of Î²â€Hemocyanin from Helix pomatia in Presence of Choline Amino Acids Results in Improved Cell Specificity and Cytotoxicity against Human Breast Cancer. ChemistrySelect, 2019, 4, 11460-11466.	1.5	2
36	Thermal stability and secondary structure of feruloylated Rapana thomasiana hemocyanin. Journal of Thermal Analysis and Calorimetry, 2019, 138, 2715-2720.	3.6	2

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37	Structural, Thermal, and Storage Stability of Rapana Thomasiana Hemocyanin in the Presence of Cholinium-Amino Acid-Based Ionic Liquids. Molecules, 2021, 26, 1714.	3.8	2
38	Biophysical Properties and Cytotoxicity of Feruloylated Helix Lucorum Hemocyanin. Acta Chimica Slovenica, 2020, 67, 253-259.	0.6	2
39	Ionic Liquids for Anticancer Application. , 2019, , 1-6.		1
40	Chemically Modified Hemocyanins with Enhanced Antibreast Cancer Activities. Proceedings (mdpi), 2019, 22, 13.	0.2	1
41	Effect of ketoprofen-based ionic liquids on secondary structure and thermal stability of human serum albumin. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1911-1917.	3.6	1
42	Rosmarinic acid-conjugated hemocyanins: synthesis and stability. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1903-1909.	3.6	1