

# CITATION REPORT

List of articles citing

Effect of ions and other compatible solutes on enzyme activity, and its implication for biocatalysis using ionic liquid

DOI: 10.1016/j.molcatb.2005.08.007

Journal of Molecular Catalysis B: Enzymatic, 2005, 37, 16-25.

**Source:** <https://exaly.com/paper-pdf/38292573/citation-report.pdf>

**Version:** 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
321	Similarity of salt influences on the pH of buffers, polyelectrolytes, and proteins. <b>2006</b> , 110, 8870-6		31
320	Viscosity B-coefficients and standard partial molar volumes of amino acids, and their roles in interpreting the protein (enzyme) stabilization. <i>Biophysical Chemistry</i> , <b>2006</b> , 122, 157-83	3.5	216
319	Effect of kosmotropicity of ionic liquids on the enzyme stability in aqueous solutions. <b>2006</b> , 34, 15-25		159
318	Hofmeister series of ionic liquids: kosmotropic effect of ionic liquids on the enzymatic hydrolysis of enantiomeric phenylalanine methyl ester. <b>2006</b> , 17, 377-383		110
317	Effects of organic solvents and ionic liquids on the aminolysis of (RS)-methyl mandelate catalyzed by lipases. <b>2006</b> , 17, 428-433		28
316	Adverse effect of chloride impurities on lipase-catalyzed transesterifications in ionic liquids. <b>2006</b> , 28, 1335-9		61
315	Enhancing protease enantioselectivity by ionic liquids based on chiral- or amino acids. <b>2006</b> , 17, 1549-1553		47
314	Using ionic liquid [EMIM][CH <sub>3</sub> COO] as an enzyme-friendly co-solvent for resolution of amino acids. <b>2006</b> , 17, 2491-2498		79
313	Influence of ionic liquid cosolvent on transgalactosylation reactions catalyzed by thermostable beta-glycosylhydrolase CelB from <i>Pyrococcus Furiosus</i> . <b>2006</b> , 95, 1093-100		59
312	Improving the Enzyme Catalytic Efficiency Using Ionic Liquids with Kosmotropic Anions. <b>2006</b> , 24, 580-584		33
311	Role of Na <sup>+</sup> and K <sup>+</sup> in enzyme function. <b>2006</b> , 86, 1049-92		222
310	Biotransformation in ionic liquid. <b>2007</b> , 3-20		10
309	On the background of enhanced stability and reusability of enzymes in ionic liquids. <b>2007</b> , 35, 1624-7		74
308	Effects of different head groups and functionalised side chains on the cytotoxicity of ionic liquids. <b>2007</b> , 9, 760-767		193
307	The influence of anion species on the toxicity of 1-alkyl-3-methylimidazolium ionic liquids observed in an (eco)toxicological test battery. <b>2007</b> , 9, 1198		288
306	Solubility and stability of cytochrome c in hydrated ionic liquids: effect of oxo acid residues and kosmotropicity. <b>2007</b> , 8, 2080-6		301
305	Biocatalysis in non-conventional media: ionic liquids, supercritical fluids and the gas phase. <b>2007</b> , 9, 954		144

304	Obtaining high transesterification activity for subtilisin in ionic liquids. <b>2007</b> , 1770, 94-8	37
303	Protein denaturation by ionic liquids and the Hofmeister series: a case study of aqueous solutions of ribonuclease A. <b>2007</b> , 46, 8887-9	234
302	Denaturierung von Proteinen durch ionische Flüssigkeiten und Hofmeister-Reihe: eine Fallstudie wässriger Lösungen von Ribonuclease A. <b>2007</b> , 119, 9044-9046	11
301	Purification and characterization of an exo-polygalacturonase produced by <i>Penicillium viridicatum</i> RFC3 in solid-state fermentation. <b>2007</b> , 42, 1237-1243	30
300	Effect of different reaction parameters on the lipase-catalyzed selective acylation of polyhydroxylated natural compounds in ionic liquids. <b>2007</b> , 42, 1326-1334	65
299	Process intensification of whole-cell biocatalysis with ionic liquids. <b>2007</b> , 7, 334-40	71
298	Nuclear magnetic relaxation of water in ionic-liquid solutions: determining the kosmotropicity of ionic liquids and its relationship with the enzyme enantioselectivity. <b>2007</b> , 82, 304-312	24
297	Crystal Structure of human pyridoxal kinase: structural basis of M(+) and M(2+) activation. <b>2007</b> , 16, 2184-94	32
296	Tyrosinase activity in ionic liquids. <b>2008</b> , 30, 153-8	27
295	Enantiomeric resolution by lipase-catalysed esterification of a trans-5,6-dihydro-1,10-phenanthroline possessing helical and central chirality. <b>2007</b> , 18, 1828-1832	5
294	Influence of ionic liquids under controlled water activity and low halide content on lipase activity. <b>2008</b> , 25, 1456-1462	35
293	Raman spectroscopy of ionic liquids derived from 1-n-butyl-3-methylimidazolium chloride and niobium chloride or zinc chloride mixtures. <b>2008</b> , 39, 1388-1395	32
292	Directed (R)- or (S)-Selective Dynamic Kinetic Enzymatic Hydrolysis of 1,2,3,4-Tetrahydroisoquinoline-1-carboxylic Esters. <b>2008</b> , 2008, 5269-5276	20
291	Ionic liquids for aqueous two-phase extraction and stabilization of enzymes. <b>2008</b> , 99, 1416-24	185
290	"Nonsolvent" applications of ionic liquids in biotransformations and organocatalysis. <b>2008</b> , 47, 6960-8	195
289	Nonsolvent-Anwendungen von ionischen Flüssigkeiten bei Biotransformationen und in der Organokatalyse. <b>2008</b> , 120, 7066-7075	34
288	Study of interactions of l-aspartic acid and l-glutamic acid with some metal acetates through volumetric behaviour over the temperature range (288.15 to 318.15) K. <b>2008</b> , 40, 1166-1185	12
287	Flexibility and enzyme activity of NADH oxidase from <i>Thermus thermophilus</i> in the presence of monovalent cations of Hofmeister series. <b>2008</b> , 1784, 789-95	38

286	Enzymatic ketone reductions with co-factor recycling: Improved reactions with ionic liquid co-solvents. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2008</b> , 55, 19-29	66
285	Imidazolium based ionic liquids in soils: effects of the side chain length on wheat ( <i>Triticum aestivum</i> ) and cress ( <i>Lepidium sativum</i> ) as affected by different clays and organic matter. <b>2008</b> , 10, 584	83
284	Catalytic activity of laccases in aqueous solutions of ionic liquids. <b>2008</b> , 10, 806	59
283	Mixture effects and predictability of combination effects of imidazolium based ionic liquids as well as imidazolium based ionic liquids and cadmium on terrestrial plants ( <i>Triticum aestivum</i> ) and limnic green algae ( <i>Scenedesmus vacuolatus</i> ). <b>2008</b> , 10, 784	57
282	Role of cations in stability of acidic protein <i>Desulfovibrio desulfuricans</i> apoflavodoxin. <b>2008</b> , 474, 128-35	18
281	Effect of Hofmeister ions on protein thermal stability: roles of ion hydration and peptide groups?. <b>2008</b> , 479, 69-73	80
280	Qualitative and quantitative structure activity relationships for the inhibitory effects of cationic head groups, functionalised side chains and anions of ionic liquids on acetylcholinesterase. <b>2008</b> , 10, 47-58	163
279	Primary biodegradation of ionic liquid cations, identification of degradation products of 1-methyl-3-octylimidazolium chloride and electrochemical wastewater treatment of poorly biodegradable compounds. <b>2008</b> , 10, 214-224	206
278	Lipase-catalyzed synthesis of glucose fatty acid ester using ionic liquids mixtures. <b>2008</b> , 133, 486-9	91
277	Ionic liquid effects on the activity of monooxygenase P450 BM-3. <b>2008</b> , 10, 117-123	45
276	Specific anion effects on enzymatic activity in nonaqueous media. <b>2008</b> , 112, 12066-72	57
275	Biocatalytic reactions in hydrophobic ionic liquids. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2009</b> , 60, 1-12	121
274	Improving ascorbyl oleate synthesis catalyzed by <i>Candida antarctica</i> lipase B in ionic liquids and water activity control by salt hydrates. <b>2009</b> , 44, 257-261	31
273	Ionic liquids in soils: effects of different anion species of imidazolium based ionic liquids on wheat ( <i>Triticum aestivum</i> ) as affected by different clay minerals and clay concentrations. <b>2009</b> , 18, 197-203	63
272	Enzymatic ring-opening polymerization of $\epsilon$ -caprolactone by <i>Yarrowia lipolytica</i> lipase in ionic liquids. <b>2009</b> , 47, 5792-5805	31
271	Effect of ionic liquid properties on lipase stabilization under microwave irradiation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2009</b> , 57, 149-157	91
270	Hofmeister effects: an explanation for the impact of ionic liquids on biocatalysis. <b>2009</b> , 144, 12-22	309
269	Small-angle neutron scattering studies of model protein denaturation in aqueous solutions of the ionic liquid 1-butyl-3-methylimidazolium chloride. <b>2009</b> , 147, 6-12	100

268	Evaluation of cation influence on the formation and extraction capability of ionic-liquid-based aqueous biphasic systems. <b>2009</b> , 113, 5194-9		221
267	Ion specific effects of sodium and potassium on the catalytic activity of HIV-1 protease. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 7599-604	3.6	35
266	Sorption and desorption of imidazolium based ionic liquids in different soil types. <b>2009</b> , 74, 568-74		57
265	Dynamics of loop 1 of domain I in human serum albumin when dissolved in ionic liquids. <b>2009</b> , 113, 12825-30		63
264	Ionic liquid-coated immobilized lipase for the synthesis of methylglucose fatty acid esters. <b>2009</b> , 11, 1793		41
263	Freeze-drying of aqueous solutions of deep eutectic solvents: a suitable approach to deep eutectic suspensions of self-assembled structures. <b>2009</b> , 25, 5509-15		273
262	Importance of the ionic nature of ionic liquids in affecting enzyme performance. <b>2009</b> , 145, 355-64		38
261	Optimization of lipase-catalyzed glucose ester synthesis in ionic liquids. <b>2010</b> , 33, 63-70		31
260	Selective separation of protein and saccharides by ionic liquids aqueous two-phase systems. <b>2010</b> , 53, 1554-1560		65
259	Effect of Temperature on Volumetric and Viscometric Properties of Homologous Amino Acids in Aqueous Solutions of Metformin Hydrochloride. <b>2010</b> , 18, 425-445		13
258	Both hydrolytic and transesterification activities of <i>Penicillium expansum</i> lipase are significantly enhanced in ionic liquid [BMIm][PF <sub>6</sub> ]. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2010</b> , 63, 23-30		60
257	Supported ionic liquids in <i>Burkholderia cepacia</i> lipase-catalyzed asymmetric acylation. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2010</b> , 67, 129-134		27
256	Methods for stabilizing and activating enzymes in ionic liquids – review. <b>2010</b> , 85, 891-907		300
255	Hofmeister effects on activity and stability of alkaline phosphatase. <b>2010</b> , 1804, 821-8		30
254	Effect of room temperature ionic liquid structure on the enzymatic acylation of flavonoids. <b>2010</b> , 45, 1375-1382		46
253	Immobilization of <i>E</i> galactosidase onto Sepharose and stabilization in room temperature ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2010</b> , 152, 19-27	6	13
252	Enhancement of enzymatic in situ saccharification of cellulose in aqueous-ionic liquid media by ultrasonic intensification. <b>2010</b> , 81, 311-316		90
251	Biomaterialien und Biokompatibilität. <b>2010</b> , 55, 1-117		

250	Investigation of Oxidoreductase Enzyme Catalysis in Water-Ionic Liquid (IL) Solvent Mixtures. <b>2010</b> , 43, 1734-1745		7
249	Toward an understanding of the aqueous solubility of amino acids in the presence of salts: a molecular dynamics simulation study. <b>2010</b> , 114, 16450-9		31
248	"On-off" switchable bioelectrocatalysis synergistically controlled by temperature and sodium sulfate concentration based on poly(N-isopropylacrylamide) films. <b>2010</b> , 114, 5940-5		32
247	Biodegradation of pyridinium-based ionic liquids by an axenic culture of soil <i>Corynebacteria</i> . <b>2010</b> , 12, 851		55
246	Patterns of protein unfolding and protein aggregation in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 1756-63	3.6	153
245	Theoretical aspects of water-holding in meat. <b>2010</b> , 86, 151-65		194
244	An unusual peptide from <i>Conus vellepinii</i> : synthesis, solution structure, and cardioactivity. <b>2010</b> , 31, 1292-300		16
243	Interaction of gelatin with room temperature ionic liquids: a detailed physicochemical study. <b>2010</b> , 114, 8441-8		53
242	Salting-Out Effect, Preferential Exclusion, and Phase Separation in Aqueous Solutions of Chaotropic Water-Miscible Ionic Liquids and Kosmotropic Salts: Effects of Temperature, Anions, and Cations. <b>2010</b> , 55, 1598-1610		87
241	A rational design of phosphonium salt type ionic liquids for ionic liquid coated-lipase catalyzed reaction. <b>2010</b> , 12, 1976		60
240	Dependency of the hydrogen bonding capacity of the solvent anion on the thermal stability of feruloyl esterases in ionic liquid systems. <b>2011</b> , 13, 1550		18
239	The effect of neat ionic liquid on the folding of short peptides. <b>2011</b> , 47, 8007-9		34
238	Solvation studies of a zinc finger protein in hydrated ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 6955-69	3.6	43
237	Spectroscopic studies on tetracycline in room-temperature ionic liquids. <b>2011</b> , 74, 310-3		11
236	Effect of ionic liquids on the solution structure of human serum albumin. <b>2011</b> , 12, 1072-9		83
235	Like-charge guanidinium pairing from molecular dynamics and ab initio calculations. <b>2011</b> , 115, 11193-201		48
234	A protic ionic liquid attenuates the deleterious actions of urea on $\beta$ -thymotrypsin. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 17023-6	3.6	80
233	Effect of ionic liquids on the structure, stability and activity of two related $\beta$ -amylases. <b>2011</b> , 48, 93-7		60

232	Ionic liquid-based aqueous biphasic system for lipase extraction. <b>2011</b> , 13, 390-396		111
231	Ionic Liquids: Alternative Reactive Media for Oxidative Enzymes. <b>2011</b> ,		1
230	Thermal stability of proteins in the presence of aprotic ionic liquids. <b>2011</b> , 04, 94-99		48
229	Interactions of potassium fluoride with coexistent components in water-dimethyl sulfoxide mixed solvent at different temperatures. <b>2011</b> , 525, 197-205		11
228	Ionic liquid facilitates biocatalytic conversion of hardly water soluble ketones. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2011</b> , 68, 147-153		31
227	Specific ion effects of ionic liquids on enzyme activity and stability. <b>2011</b> , 13, 1860		112
226	Ionic Liquids as Environmentally Friendly Solvents in Macromolecules Chemistry and Technology, Part I. <b>2011</b> , 19, 447-484		54
225	Enzyme catalysis with small ionic liquid quantities. <b>2011</b> , 38, 477-87		18
224	Penicillium expansum lipase-catalyzed production of biodiesel in ionic liquids. <i>Bioresource Technology</i> , <b>2011</b> , 102, 2767-72	11	80
223	Study of the alkyl chain length on laccase stability and enzymatic kinetic with imidazolium ionic liquids. <b>2011</b> , 164, 524-33		34
222	Protein refolding by N-alkylpyridinium and N-alkyl-N-methylpyrrolidinium ionic liquids. <b>2011</b> , 164, 957-67		45
221	RETRACTED ARTICLE: Enzyme performance in ionic liquids. <b>2011</b> , 28, 2095-2101		17
220	Thermogelation of amphiphilic poly(asparagine) derivatives. <b>2011</b> , 22, 620-626		15
219	Triply switchable bioelectrocatalysis based on poly(N-isopropylacrylamide) hydrogel films with immobilized glucose oxidase. <b>2011</b> , 56, 5166-5173		30
218	Mesophilic alcohol dehydrogenase behavior in imidazolium based ionic liquids. <i>Journal of Molecular Liquids</i> , <b>2011</b> , 161, 139-143	6	13
217	Peroxidase biocatalysis in water-soluble ionic liquids: activity, kinetic and thermal stability. <b>2012</b> , 30, 417-425		4
216	Ionic Liquids as (Co-)Solvents for Hydrolytic Enzymes. <b>2012</b> , 151-227		5
215	Ionic Liquids and Proteins: Academic and Some Practical Interactions. <b>2012</b> , 15-71		5

214	Ionic Liquids in Biotransformations: Motivation and Development. <b>2012</b> , 73-102		
213	Ionic Liquids as (Co-)Solvents for Nonhydrolytic Enzymes. <b>2012</b> , 229-259		
212	Ionic Liquids as Green Solvents: Progress and Prospects. <b>2012</b> , 1-32		35
211	Ionic Liquid Effects on the Activity of $\beta$ Glycosidase for the Synthesis of Salidroside in Co-solvent Systems. <b>2012</b> , 33, 1161-1165		16
210	Interaction of counterions with subtilisin in acetonitrile: insights from molecular dynamics simulations. <b>2012</b> , 116, 5838-48		7
209	Steering the enzymatic activity of proteins by ionic liquids. A case study of the enzyme kinetics of yeast alcohol dehydrogenase. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 4635-9	3.6	24
208	Ionic Liquid Engineering for Lipase-Mediated Optical Resolution of Secondary Alcohols: Design of Ionic Liquids Applicable to Ionic Liquid Coated-Lipase Catalyzed Reaction. <b>2012</b> , 51, 9952-9958		31
207	A bioelectrochemical method for the quantitative description of the Hofmeister effect of ionic liquids in aqueous solution. <b>2012</b> , 116, 11075-80		16
206	Advances in the Application of Oxidative Enzymes in Biopolymer Chemistry and Biomaterial Research. <b>2012</b> , 329-349		
205	How ionic liquids can help to stabilize native proteins. <i>Physical Chemistry Chemical Physics</i> , <b>2012</b> , 14, 415-36		217
204	Ionic liquids microemulsions: the key to <i>Candida antarctica</i> lipase B superactivity. <b>2012</b> , 14, 1620		55
203	Measuring the effect of ionic liquids on laccase activity using a simple, parallel method. <b>2012</b> , 14, 725		31
202	Molecular dynamics simulation studies of the interactions between ionic liquids and amino acids in aqueous solution. <b>2012</b> , 116, 1831-42		55
201	Stability and Activity of Enzymes in Ionic Liquids. <b>2012</b> , 235-273		
200	Extraction of <i>Candida antarctica</i> lipase A from aqueous solutions using imidazolium-based ionic liquids. <b>2012</b> , 97, 205-210		50
199	Integrated CO <sub>2</sub> capture and enzymatic bioconversion in supported ionic liquid membranes. <b>2012</b> , 97, 34-41		36
198	Poly(zwitterionic)protein conjugates offer increased stability without sacrificing binding affinity or bioactivity. <b>2011</b> , 4, 59-63		425
197	Ionic liquids designed for advanced applications in bioelectrochemistry. <b>2012</b> , 2, 4018		53



196	Simple screening method to identify toxic/non-toxic ionic liquids: agar diffusion test adaptation. <b>2012</b> , 83, 55-62	73
195	Ionic liquids induced structural changes of bovine serum albumin in aqueous media: a detailed physicochemical and spectroscopic study. <b>2012</b> , 116, 11924-35	82
194	Biochemical aspects of a serine protease from <i>Caesalpinia echinata</i> Lam. (Brazilwood) seeds: a potential tool to access the mobilization of seed storage proteins. <b>2012</b> , 2012, 562715	6
193	Applications of ionic liquids. <b>2012</b> , 12, 329-55	182
192	Engineering Strategies for Successful Development of Functional Polymers Using Oxidative Enzymes. <b>2012</b> , 35, 1359-1372	22
191	Synthesis and functional characterization of tridegin and its analogues: inhibitors and substrates of factor XIIIa. <b>2012</b> , 7, 326-33	20
190	Thermodynamic Analysis of Homologous $\alpha$ -Amino Acids in Aqueous Potassium Fluoride Solutions at Different Temperatures. <b>2012</b> , 41, 646-679	9
189	Concentration effect of hydrophilic ionic liquids on the enzymatic activity of <i>Candida antarctica</i> lipase B. <b>2012</b> , 28, 2303-10	47
188	Using ionic liquid cosolvents to improve enzymatic synthesis of arylalkyl $\beta$ -glucopyranosides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2012</b> , 74, 24-28	23
187	Thermodynamically based solvent design for enzymatic saccharide acylation with hydroxycinnamic acids in non-conventional media. <b>2012</b> , 29, 255-70	16
186	Ammonium ionic liquids as convenient co-solvents for the structure and stability of succinylated Con A. <b>2012</b> , 52, 78-88	33
185	Use of ionic liquids for biocatalytic synthesis of sugar derivatives. <b>2012</b> , 87, 451-471	42
184	A new aqueous biphasic system containing polypropylene glycol and a water-miscible ionic liquid. <b>2012</b> , 28, 146-56	71
183	Enhanced stability and activity of cellulase in an ionic liquid and the effect of pretreatment on cellulose hydrolysis. <b>2012</b> , 109, 434-43	61
182	Partitioning of Cefazolin in Biocompatible Aqueous Biphasic Systems Based on Surfactant. <b>2013</b> , 58, 2785-2792	18
181	Refolding of laccase in dilution additive mode with copper-based ionic liquid. <b>2013</b> , 171, 1289-98	5
180	On the nature of interactions between ionic liquids and small amino-acid-based biomolecules. <b>2013</b> , 14, 4044-64	55
179	Choline acetate enhanced the catalytic performance of <i>Candida rugosa</i> lipase in AOT reverse micelles. <b>2013</b> , 105, 81-6	25

178	The ionic liquid isopropylammonium formate as a mobile phase modifier to improve protein stability during reversed phase liquid chromatography. <b>2013</b> , 940, 112-20	24
177	Effect of three trifluoromethanesulfonate ionic liquids on the activity, stability and conformation of laccase. <b>2013</b> , 56, 62-8	27
176	Ionic liquid-controlled conformational bias of tetracycline. <b>2013</b> , 3, 4582	9
175	Effects of solvent and alkaline earth metals on the heat-induced precipitation process of sodium caseinate. <b>2013</b> , 136, 266-72	13
174	Effect of imidazolium ionic liquids on the hydrolytic activity of lipase. <b>2013</b> , 34, 769-780	18
173	Disruption of biomolecule function by nanoparticles: how do gold nanoparticles affect Phase I biotransformation of persistent organic pollutants?. <b>2013</b> , 93, 123-32	6
172	Complexation of chitosan with surfactant like ionic liquids: molecular interactions and preparation of chitosan nanoparticles. <b>2013</b> , 407, 361-9	34
171	Salting-in with a salting-out agent: explaining the cation specific effects on the aqueous solubility of amino acids. <b>2013</b> , 117, 6116-28	65
170	New Generations of Ionic Liquids Applied to Enzymatic Biocatalysis. <b>2013</b> ,	6
169	Compatibility of Ionic Liquids with Enzymes. <b>2014</b> , 257-273	2
168	Effect of ionic liquids on the different hierarchical order of type I collagen. <b>2014</b> , 117, 376-82	32
167	Strategies for Improving the Catalytic Performance of an Enzyme in Ionic Liquids. <b>2014</b> , 57, 923-934	22
166	Recent advances in the applications of ionic liquids in protein stability and activity: a review. <b>2014</b> , 172, 3701-20	196
165	Does the stability of proteins in ionic liquids obey the Hofmeister series?. <b>2014</b> , 63, 244-53	88
164	The effect of 1-ethyl-3-methylimidazolium acetate on the enzymatic degradation of cellulose. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2014</b> , 99, 121-129	26
163	Biocatalytic Reactions in Ionic Liquids. <b>2014</b> , 193-216	1
162	Application of room-temperature aprotic and protic ionic liquids for oxidative folding of cysteine-rich peptides. <b>2014</b> , 15, 2754-65	18
161	Thermal preparation of lysozyme-imprinted microspheres by using ionic liquid as a stabilizer. <b>2014</b> , 406, 7221-31	26

160	Hydration of guanidinium: second shell formation at small cluster size. <b>2014</b> , 118, 5657-66		20
159	The relationship between enhanced enzyme activity and structural dynamics in ionic liquids: a combined computational and experimental study. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 2944-53 <sup>3,6</sup>		48
158	Lipophilic phenolic compounds (Lipo-PCs): emerging antioxidants applied in lipid systems. <b>2014</b> , 4, 2879-2891		39
157	Impact of ionic liquids on the structure of peptides proved by HR-MAS NMR spectroscopy. <i>Journal of Molecular Liquids</i> , <b>2014</b> , 192, 9-18	6	9
156	From water-in-oil to oil-in-water emulsions to optimize the production of fatty acids using ionic liquids in micellar systems. <b>2015</b> , 31, 1473-80		5
155	Recent Advances in Bioionic Liquids and Biocompatible Ionic Liquid-Based Microemulsions. <b>2015</b> , 397-445		1
154	Effect of Ionic Liquids on Catalytic Properties and Structure of Biocatalysts. <b>2015</b> , 459-474		
153	Green approach for cellulose conversion to sugars using ionic liquids. <b>2015</b> , 68-80		
152	Seawater as Alternative to Freshwater in Pretreatment of Date Palm Residues for Bioethanol Production in Coastal and/or Arid Areas. <b>2015</b> , 8, 3823-31		36
151	Recent Developments in Chemical Synthesis with Biocatalysts in Ionic Liquids. <b>2015</b> , 20, 16788-816		62
150	Applications of Solutions of Ions. <b>2015</b> , 247-283		1
149	Osmotic and Activity Coefficients for Binary Aqueous Solutions of 1-Butyl-3-methylimidazolium Based Amino Acid Ionic Liquids at 298.15 K and at 0.1 MPa. <b>2015</b> , 60, 635-642		12
148	Lipase-mediated dynamic kinetic resolution (DKR) of secondary alcohols in the presence of zeolite using an ionic liquid solvent system. <b>2015</b> , 255, 41-48		18
147	The Overriding Roles of Concentration and Hydrophobic Effect on Structure and Stability of Heme Protein Induced by Imidazolium-Based Ionic Liquids. <b>2015</b> , 119, 8357-68		24
146	Endeavour to simplify the frustrated concept of protein-ammonium family ionic liquid interactions. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 20466-84	3.6	46
145	Key factors affecting the activity and stability of enzymes in ionic liquids and novel applications in biocatalysis. <b>2015</b> , 99, 67-84		88
144	Bacterial cell-surface displaying of thermo-tolerant glutamate dehydrogenase and its application in L-glutamate assay. <b>2015</b> , 70, 72-8		15
143	Stabilizing effects of cations on lipases depend on the immobilization protocol. <b>2015</b> , 5, 83868-83875		43

142	Process Requirements of Galactose Oxidase Catalyzed Oxidation of Alcohols. <b>2015</b> , 19, 1580-1589		60
141	Linear relationship between the <sup>1</sup> H-chemical shift of water in a highly concentrated aqueous solution of an ionic liquid and the Jones-Dole B coefficient. <i>Journal of Molecular Liquids</i> , <b>2015</b> , 212, 1-5	6	2
140	A comparative study of the effects of the Hofmeister series anions of the ionic salts and ionic liquids on the stability of $\beta$ -thymotrypsin. <b>2015</b> , 39, 938-952		43
139	Characterization of mannanase-producing bacteria from sago hump. <b>2016</b> , 4,		
138	Lipase Activation and Stability Enhancement in Ionic Liquids. <b>2016</b> , 99-152		1
137	Ionic Liquids in the Synthesis of Antioxidant Targeted Compounds. <b>2016</b> , 317-346		
136	Biocatalytic gas-liquid membrane contactors for CO <sub>2</sub> hydration with immobilized carbonic anhydrase. <b>2016</b> , 520, 303-313		42
135	Concentration Dependent Ion-Protein Interaction Patterns Underlying Protein Oligomerization Behaviours. <b>2016</b> , 6, 24131		20
134	Hofmeister effects on the glucose oxidase hydrogel-modified electrode. <b>2016</b> , 201, 228-232		11
133	Effect of water activity on carbon dioxide transport in cholinium-based ionic liquids with carbonic anhydrase. <b>2016</b> , 168, 74-82		13
132	Role of electrolytes in the solubility of L-proline and its transfer free energetics. <i>Journal of Molecular Liquids</i> , <b>2016</b> , 223, 927-933	6	14
131	Unravelling the capability of <i>Pyrenophora phaeocomes</i> S-1 for the production of ligno-hemicellulolytic enzyme cocktail and simultaneous bio-delignification of rice straw for enhanced enzymatic saccharification. <i>Bioresource Technology</i> , <b>2016</b> , 222, 458-469	11	25
130	Extraction of Proteins with ABS. <b>2016</b> , 123-134		4
129	Characterization of supercharged cellulase activity and stability in ionic liquids. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2016</b> , 132, 84-90		12
128	Protein Stabilization and Enzyme Activation in Ionic Liquids: Specific Ion Effects. <b>2016</b> , 91, 25-50		190
127	A coacervate-forming biodegradable polyester with elevated LCST based on bis-(2-methoxyethyl)amine. <b>2016</b> , 7, 4693-4702		15
126	The effect of imidazolium cations on the structure and activity of the <i>Candida antarctica</i> Lipase B enzyme in ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 22062-9	3.6	27
125	Effects of inorganic salts on denitrifying granular sludge: The acute toxicity and working mechanisms. <i>Bioresource Technology</i> , <b>2016</b> , 204, 65-70	11	28

124	Biochemical characterization of an acidophilic $\beta$ -mannanase from <i>Gloeophyllum trabeum</i> CBS900.73 with significant transglycosylation activity and feed digesting ability. <b>2016</b> , 197, 474-81		22
123	Improved in situ saccharification of cellulose pretreated by dimethyl sulfoxide/ionic liquid using cellulase from a newly isolated <i>Paenibacillus</i> sp. LLZ1. <i>Bioresource Technology</i> , <b>2016</b> , 201, 8-14	11	34
122	Nanocaged enzymes with enhanced catalytic activity and increased stability against protease digestion. <b>2016</b> , 7, 10619		271
121	Effects of Impurities in Alkali-Extracted Xylan on Its Enzymatic Hydrolysis to Produce Xylo-Oligosaccharides. <b>2016</b> , 179, 740-52		17
120	Biocatalysis and Biotransformation in Ionic Liquids. <b>2016</b> , 11-58		2
119	Molecular dynamics simulations of cellulase homologs in aqueous 1-ethyl-3-methylimidazolium chloride. <b>2017</b> , 35, 1990-2002		9
118	Asymmetric whole-cell bioreduction of sterically bulky 2-benzoylpyridine derivatives in aqueous hydrophilic ionic liquid media. <b>2017</b> , 316, 919-927		29
117	Proteins in Ionic Liquids: Current Status of Experiments and Simulations. <b>2017</b> , 375, 25		86
116	Effect of NaCl on aerobic denitrification by strain <i>Achromobacter</i> sp. GAD-3. <b>2017</b> , 101, 5139-5147		18
115	Coupled effects of salt and pressure on catalytic ability of <i>Rhizopus chinensis</i> lipase. <b>2017</b> , 97, 5381-5387		2
114	Cationic effect of imidazolium-based ionic liquid on the stability of myoglobin. <b>2017</b> , 58, 181-185		6
113	Evaluation and correlation of solubility and solvation thermodynamics of glycine, dl-alanine and dl-valine in aqueous sodium sulphate solutions at two different temperatures. <i>Journal of Molecular Liquids</i> , <b>2017</b> , 234, 124-128	6	16
112	Quantitative assessment of kosmotropicity of hydrated ionic liquids by nuclear magnetic resonance. <i>Physical Chemistry Chemical Physics</i> , <b>2017</b> , 19, 8148-8151	3.6	13
111	Biocompatibility of ionic liquids towards protein stability: A comprehensive overview on the current understanding and their implications. <b>2017</b> , 96, 611-651		63
110	Correlation of lysozyme activity and stability in the presence of Hofmeister series anions. <b>2017</b> , 1865, 281-288		28
109	Influence of cholinium-based ionic liquids on the structural stability and activity of $\beta$ -chymotrypsin. <b>2017</b> , 41, 13902-13911		43
108	Imidazolium-based polyionic liquid absorbents for bioproduct recovery. <b>2017</b> , 19, 5203-5213		15
107	One-step synthesis of an antibacterial and pro-healing wound dressing that can treat wound infections. <b>2017</b> , 5, 8451-8458		58

106	Electrolyte effects on enzyme electrochemistry. <b>2017</b> , 5, 158-164		10
105	Factors affecting seawater-based pretreatment of lignocellulosic date palm residues. <i>Bioresource Technology</i> , <b>2017</b> , 245, 540-548	11	4
104	Theoretical and experimental approach on the molecular interactions of the DL-Alanine with an electrolytic environment. <b>2017</b> , 687, 73-84		2
103	pH-Dependent Binding of Chloride to a Marine Alkaline Phosphatase Affects the Catalysis, Active Site Stability, and Dimer Equilibrium. <b>2017</b> , 56, 5075-5089		7
102	Ionic Liquids as Tool to Improve Enzymatic Organic Synthesis. <b>2017</b> , 117, 10567-10607		226
101	Efficacy of ionic liquids on the growth and simultaneous xylanase production by <i>Sporotrichum thermophile</i> : membrane integrity, composition and morphological investigation. <b>2017</b> , 7, 21114-21123		7
100	DNA-crowded enzyme complexes with enhanced activities and stabilities. <b>2017</b> , 53, 13059-13062		16
99	H-Bonding in Water of Hydration: NIR Spectral Studies of Hydration Behavior of 1-n-Alkyl-3-methylimidazolium-Based Bromide and Amino Acid Ionic Liquids at 298.15 K. <b>2017</b> , 2, 11703-11712		9
98	Biotransformation in Ionic Liquid. <b>2017</b> , 27-67		3
97	Efficient resolution of (R,S)-1-(1-naphthyl)ethylamine by <i>Candida antarctica</i> lipase B in ionic liquids. <b>2018</b> , 448, 116-121		9
96	Covalent immobilization of phytase on the multi-walled carbon nanotubes via diimide-activated amidation: structural and stability study. <b>2018</b> , 46, 763-772		11
95	Effect of water and ionic liquids on biomolecules. <b>2018</b> , 10, 795-808		23
94	Nanocapsules of oxalate oxidase for hyperoxaluria treatment. <b>2018</b> , 11, 2682-2688		10
93	Kinetic study of the inhibition of ionic liquids on the trypsin activity. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 252, 392-398	6	14
92	Cationic hydrophobicity promotes dissolution of cellulose in aqueous basic solution by freezing-thawing. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 14223-14233	3.6	34
91	Aqueous ionic liquids in comparison with standard co-solutes : Differences and common principles in their interaction with protein and DNA structures. <b>2018</b> , 10, 809-824		41
90	Influence of additives on thermoresponsive polymers in aqueous media: a case study of poly(N-isopropylacrylamide). <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 9717-9744	3.6	29
89	Assembly of graphene oxide-formate dehydrogenase composites by nickel-coordination with enhanced stability and reusability. <b>2018</b> , 18, 326-333		5

88	Determining mushroom tyrosinase inhibition by imidazolium ionic liquids: A spectroscopic and molecular docking study. <b>2018</b> , 107, 1971-1981		21
87	The effect of cations on reversibility and thermodynamic stability during thermal denaturation of lysozyme. <b>2018</b> , 118, 331-337		5
86	Liquid-liquid extraction of biopharmaceuticals from fermented broth: trends and future prospects. <b>2018</b> , 93, 1845-1863		23
85	A simple method for purification of bromelain in a thermosensitive triblock copolymer-based protection system and recycling of phase components. <b>2018</b> , 53, 636-644		4
84	Nitrate removal by combined heterotrophic and autotrophic denitrification processes: Impact of coexistent ions. <i>Bioresource Technology</i> , <b>2018</b> , 250, 838-845	11	39
83	Ionic liquids as a potential solvent for lipase-catalysed reactions: A review. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 251, 150-166	6	81
82	Citrate as Cost-Efficient NADPH Regenerating Agent. <b>2018</b> , 6, 196		6
81	Assessment via the modified gompertz-model reveals new insights concerning the effects of ionic liquids on biohydrogen production. <b>2018</b> , 43, 18918-18924		17
80	Exploring the Effect of Choline-Based Ionic Liquids on the Stability and Activity of Stem Bromelain. <b>2018</b> , 122, 10435-10444		16
79	Enzymatic Nanocomposites with Radio Frequency Field-Modulated Activity. <b>2018</b> , 4, 3962-3967		13
78	Hofmeister effect on catalytic properties of chymotrypsin is substrate-dependent. <i>Biophysical Chemistry</i> , <b>2018</b> , 243, 8-16	3-5	13
77	Encapsulation of laccase within zwitterionic poly-carboxybetaine hydrogels for improved activity and stability. <b>2018</b> , 8, 5217-5224		7
76	Influence of BSA on micelle formation of SDBS and CPC: An experimental-theoretical approach of its binding properties. <i>Journal of Molecular Liquids</i> , <b>2018</b> , 271, 443-451	6	14
75	Immobilized cutinases: Preparation, solvent tolerance and thermal stability. <b>2018</b> , 116, 33-40		22
74	Ionic liquid ion exchange: exclusion from strong interactions condemns cations to the most weakly interacting anions and dictates reaction equilibrium. <b>2018</b> , 20, 4277-4286		24
73	Effects of salinity build-up on the performance and microbial community of partial-denitrification granular sludge with high nitrite accumulation. <b>2018</b> , 209, 53-60		39
72	The effect of alkyl ammonium ionic liquids on thermal denaturation aggregation of $\beta$ -lactoglobulin. <i>Journal of Molecular Liquids</i> , <b>2019</b> , 293, 111477	6	5
71	Some Plant Enzymes Are Highly Sensitive to Inhibition by Zinc Ions. <b>2019</b> , 66, 591-596		

70	Solubility analysis of homologous series of amino acids and solvation energetics in aqueous potassium sulfate solution. <b>2019</b> , 5, e02304		2
69	Protection effect of polyols on <i>Rhizopus chinensis</i> lipase counteracting the deactivation from high pressure and high temperature treatment. <b>2019</b> , 127, 555-562		8
68	High throughput approach to investigating ternary solvents of aqueous non-stoichiometric protic ionic liquids. <i>Physical Chemistry Chemical Physics</i> , <b>2019</b> , 21, 6810-6827	3.6	11
67	Effects of electrolyte on the mediated electrocatalytic glucose oxidation reaction catalyzed by flavin adenine dinucleotide glucose dehydrogenase. <b>2019</b> , 313, 189-193		3
66	Machine Learning Approaches for Further Developing the Understanding of the Property Trends Observed in Protic Ionic Liquid Containing Solvents. <b>2019</b> , 123, 4085-4097		8
65	Factors Affecting Seawater-Based Pretreatment of Lignocellulosic Date Palm Residues. <b>2019</b> , 695-713		2
64	Hydration States of Cholinium Phosphate-Type Ionic Liquids as a Function of Water Content. <b>2019</b> , 72, 392		4
63	Volumetric approach to the interaction of L-Proline in aqueous Metformin Hydrochloride solutions for temperature range 298.15-318.15 K. <b>2019</b> , 133, 312-319		6
62	Purification and Physicochemical Characterization of a Novel Thermostable Xylanase Secreted by the Fungus <i>Myceliophthora heterothallica</i> F.2.1.4. <b>2019</b> , 188, 991-1008		12
61	One-step preparation of organic-inorganic hybrid capsules based on simultaneous gelation and silicification. <b>2019</b> , 1, e12061		1
60	Effect of Electrolyte Ions on the Stability of Flavin Adenine Dinucleotide-Dependent Glucose Dehydrogenase. <b>2019</b> , 6, 1028-1031		5
59	Enhanced enzyme-catalyzed synthesis of L-methionine with ionic liquid additives. <b>2019</b> , 77, 31-36		3
58	Simultaneous reduction of nitrate and Cr(VI) by <i>Pseudomonas aeruginosa</i> strain G12 in wastewater. <b>2020</b> , 191, 110001		18
57	Synergistic effect of ionic liquid and surfactant for enzymatic hydrolysis of lignocellulose by <i>Paenibacillus</i> sp. LLZ1 cellulase. <b>2020</b> , 142, 105760		5
56	What do we learn from enzyme behaviors in organic solvents? - Structural functionalization of ionic liquids for enzyme activation and stabilization. <b>2020</b> , 45, 107638		18
55	Cation Specific Effects on the Domain-Domain Interaction of Heterogeneous Dimeric Protein Revealed by FRET Analysis. <b>2020</b> , 30, 1121-1129		
54	Integration of a multi-enzyme system with a liquid membrane in Taylor flow regime for the production and in situ recovery of gluconic acid from cellulose. <b>2020</b> , 157, 108140		3
53	Stabilization of phytase on multi-walled carbon nanotubes via covalent immobilization. <b>2020</b> , 630, 431-451		4



52	Rhamnolipid enhanced beta-glucosidase from <i>Paenibacillus</i> sp. LLZ1 for in situ lignocellulose saccharification in ionic liquids. <b>2020</b> , 1		1
51	Use of Ionic Liquids in Protein and DNA Chemistry. <b>2020</b> , 8, 598662		18
50	Ionic Liquid/Water Continuous-Flow System with Compartmentalized Spaces for Automatic Product Purification of Biotransformation with Enzyme Recycling. <b>2020</b> , 59, 21001-21011		5
49	Exquisitely designed magnetic DNA nanocompartment for enzyme immobilization with adjustable catalytic activity and improved enzymatic assay performance. <b>2020</b> , 390, 124488		13
48	Coproduction of xylooligosaccharides and fermentable sugars from sugarcane bagasse by seawater hydrothermal pretreatment. <i>Bioresource Technology</i> , <b>2020</b> , 309, 123385	11	25
47	Salinity effect on freshwater Anammox bacteria: Ionic stress and ion composition. <b>2021</b> , 188, 116432		19
46	Metal ions coordinated immobilization of phenylalanine dehydrogenase by GO-PEI with high activity recovery and enhanced stability. <b>2021</b> , 96, 1049-1056		3
45	A simple and sustainable beamhouse by the recycling of waste-water from KCl-dispase synergistic unhairing in leather making. <b>2021</b> , 282, 124535		7
44	Application of xylitol on nitrogen removal from saline wastewater through "Candidatus Brocadia sinica"-dominated anammox process under low temperature. <b>2021</b> , 93, 670-676		0
43	CompassR-guided recombination unlocks design principles to stabilize lipases in ILs with minimal experimental efforts. <b>2021</b> , 23, 3474-3486		10
42	Effects of Ionic Liquids on Metalloproteins. <b>2021</b> , 26,		8
41	Improved glucose oxidation catalytic current generation by an FAD-dependent glucose dehydrogenase-modified hydrogel electrode, in accordance with the Hofmeister effect. <b>2021</b> , 3, 024005		
40	Impact of the Alkyl Side Chains of Cations and Anions on the Activity and Renaturation of Lysozyme: A Systematic Study Performed Using Six Amino-Acid-Based Ionic Liquids. <b>2021</b> , 6, 3089-3095		1
39	Resonant Acoustic Mixing Method to Produce Lipid-Based Liquid-Crystal Nanoparticles. <b>2021</b> , 125, 10653-10664		
38	Impact of conductivity on the performances of electro-acidification and enzymatic hydrolysis phases of bovine hemoglobin by electro-dialysis with bipolar membranes for the production of bioactive peptides. <b>2021</b> , 269, 118650		5
37	An Overview of 7 $\beta$ and 7 $\alpha$ -Hydroxysteroid Dehydrogenases: Structure, Specificity and Practical Application. <b>2021</b> ,		0
36	Added value of ionic liquids in a biocatalytic process: An automatic approach. <b>2021</b> , 108, 121-128		1
35	Enzyme-immobilized flat-sheet membrane contactor for green carbon capture. <b>2021</b> , 421, 129587		7

34	Enzyme activation by water-mimicking dual-functionalized ionic liquids. <b>2021</b> , 515, 111882		2
33	Proteins in Ionic Liquids: Current Status of Experiments and Simulations. <b>2017</b> , 375, 1		1
32	Destabilization effect of imidazolium cation-Hofmeister anion salts on cytochrome c. <b>2020</b> , 164, 3808-3813		2
31	Hydrolase activity and microbial community dynamic shift related to the lack in multivalent cations during cation exchange resin-enhanced anaerobic fermentation of waste activated sludge. <b>2020</b> , 398, 122930		11
30	Alkali-Based Pretreatment-Facilitated Lignin Valorization: A Review. <b>2020</b> , 59, 16923-16938		22
29	Isolation and characterisation of 1-alkyl-3-methylimidazolium chloride ionic liquid-tolerant and biodegrading marine bacteria. <b>2013</b> , 8, e60806		30
28	Effects of Ionic Liquids on Laccase from <i>Trametes versicolor</i> . <b>2021</b> , 1, 429-444		0
27	Biophysical Implications. <b>2012</b> , 171-203		1
26	New Ionic Liquids with Buffering and Chelating Abilities for Enzyme Engineering. <b>2019</b> , 10, 320-330		0
25	Adaptation and evolution of freshwater Anammox communities treating saline/brackish wastewater. <b>2021</b> , 207, 117815		3
24	Enhanced activity and stability of protein-glutaminase by Hofmeister effects. <b>2022</b> , 517, 112054		1
23	A novel NAD(H)-dependent 3 $\alpha$ -HSDH with enhanced activity by magnesium or manganese ions.. <b>2022</b> , 204, 34-34		0
22	Effect of Na and K on the cucurbituril-mediated hydrolysis of a phenyl acetate.. <b>2022</b> ,		1
21	Unidirectional mannitol synthesis of MtLD is facilitated by the helix-loop-helix-mediated dimer formation.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2022</b> , 119, e2107994119	11.5	0
20	Promising seawater hydrothermal combining electro-assisted pretreatment for corn stover valorization within a biorefinery concept.. <i>Bioresource Technology</i> , <b>2022</b> , 127066	11	0
19	Enhancing the physicochemical performance of myofibrillar gels using Pickering emulsion fillers: Rheology, microstructure and stability. <i>Food Hydrocolloids</i> , <b>2022</b> , 128, 107606	10.6	1
18	A research note: Effect of Hofmeister salts on meat iridescence in cooked pork.. <i>Food Science and Technology International</i> , <b>2021</b> , 10820132211067867	2.6	
17	Presentation_1.pdf. <b>2018</b> ,		

16	Understanding specific ion effects and the Hofmeister series.. <i>Physical Chemistry Chemical Physics</i> , <b>2022</b> ,	3.6	13
15	Enhancement of thermal stability of proteinase K by biocompatible cholinium-based ionic liquids.. <i>Physical Chemistry Chemical Physics</i> , <b>2022</b> ,	3.6	1
14	Specific anion effect on properties of HRV 3C protease. <i>Biophysical Chemistry</i> , <b>2022</b> , 106825	3.5	1
13	Activity and Stability of Dextranase From New <i>Penicillium Funiculosum</i> TFZ.91: Optimization by Response Surface Methods. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> ,	3	
12	Ionic liquid solvation of proteins in native and denatured states. <i>Journal of Molecular Liquids</i> , <b>2022</b> , 119963		o
11	Expression and functional characterization of a novel NAD(H)-dependent 3HSDH. <b>2022</b> , 29,		
10	A novel NADP(H)-dependent 3HSDH from the intestinal microbiome of <i>Ursus thibetanus</i> . <b>2022</b> , 219, 159-165		
9	An update on synthesis, properties, applications and toxicity of the ILs. <b>2022</b> , 364, 119989		o
8	Stability and stabilization of biocatalysts by ionic liquids. <b>2022</b> , 105-153		o
7	Strategies for modulating transglycosylation activity, substrate specificity, and product polymerization degree of engineered transglycosylases. 1-15		o
6	Effect of ionic liquid on the enzymatic synthesis of cello-oligosaccharides and their assembly into cellulose materials. <b>2022</b> , 120302		o
5	Iron mediated autotrophic denitrification for low C/N ratio wastewater: A review. <b>2022</b> , 114687		o
4	Cumulative Millisecond-Long Sampling for a Comprehensive Energetic Evaluation of Aqueous Ionic Liquid Effects on Amino Acid Interactions.		o
3	Sequence and structure-guided discovery of a novel NADH-dependent 7Hhydroxysteroid dehydrogenase for efficient biosynthesis of ursodeoxycholic acid. <b>2022</b> , 106340		o
2	An automatic approach for the evaluation of the effect of ionic liquids and deep eutectic solvents on elastase. <b>2023</b> , 373, 121240		o
1	Viscometric Studies of Some Amino Acids/Peptides in Aqueous K&lt;sub&gt;2&lt;/sub&gt;SO&lt;sub&gt;4&lt;/sub&gt;/KNO&lt;sub&gt;3&lt;/sub&gt; Solutions at Different Temperatures (298.15 - 323.15 K). <b>2023</b> , 14, 72-94		