

# Georg M Guebitz

## List of Publications by Year in Descending Order

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

377  
papers

14,959  
citations

66  
h-index

100  
g-index

406  
ext. papers

16,651  
ext. citations

5.4  
avg, IF

6.53  
L-index

#	Paper	IF	Citations
377	Residue-Specific Incorporation of the Non-Canonical Amino Acid Norleucine Improves Lipase Activity on Synthetic Polyesters.. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2022</b> , 10, 769830	5.8	1
376	Comparison of Carbonic Anhydrases for CO Sequestration.. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23,	6.3	2
375	Cutinase-Catalyzed Polyester-Polyurethane Degradation: Elucidation of the Hydrolysis Mechanism.. <i>Polymers</i> , <b>2022</b> , 14,	4.5	1
374	Effect of Binding Modules Fused to Cutinase on the Enzymatic Synthesis of Polyesters. <i>Catalysts</i> , <b>2022</b> , 12, 303	4	0
373	Bioleaching and Selective Precipitation for Metal Recovery from Basic Oxygen Furnace Slag. <i>Processes</i> , <b>2022</b> , 10, 576	2.9	0
372	Optimized biogenic sulfuric acid production and application in the treatment of waste incineration residues.. <i>Waste Management</i> , <b>2022</b> , 144, 182-190	8.6	0
371	Enzymatic synthesis of wet-resistant lignosulfonate-starch adhesives.. <i>New Biotechnology</i> , <b>2022</b> , 69, 49-54	5.4	1
370	Characterisation of enzyme catalysed hydrolysis stage of poly(lactic acid) fibre surface by nanoscale thermal analysis: New mechanistic insight. <i>Materials and Design</i> , <b>2022</b> , 110810	8.1	
369	Towards a better understanding of synergistic enzyme effects during refining of cellulose fibers. <i>Carbohydrate Polymer Technologies and Applications</i> , <b>2022</b> , 100223	1.7	1
368	Unveiling the Enzymatic Degradation Process of Biobased Thiophene Polyesters. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 771612	5	1
367	Structure-function analysis of two closely related cutinases from <i>Thermobifida cellulolytica</i> . <i>Biotechnology and Bioengineering</i> , <b>2021</b> ,	4.9	4
366	Cultivation of heterotrophic algae on paper waste material and digestate. <i>Algal Research</i> , <b>2021</b> , 54, 102193	1.9	2
365	Biotechnological production and high potential of furan-based renewable monomers and polymers. <i>Biotechnology Advances</i> , <b>2021</b> , 48, 107707	17.8	17
364	Impact of Carbon Felt Electrode Pretreatment on Anodic Biofilm Composition in Microbial Electrolysis Cells. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	4
363	Biorefining: the role of endoglucanases in refining of cellulose fibers. <i>Cellulose</i> , <b>2021</b> , 28, 7633-7650	5.5	3
362	Enzyme Catalyzed Copolymerization of Lignosulfonates for Hydrophobic Coatings. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 697310	5.8	3
361	Together Is Better: The Rumen Microbial Community as Biological Toolbox for Degradation of Synthetic Polyesters. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9,	5.8	5

360	Chemically modified inulin for intestinal drug delivery - A new dual bioactivity concept for inflammatory bowel disease treatment. <i>Carbohydrate Polymers</i> , <b>2021</b> , 252, 117091	10.3	2
359	A new bioleaching strategy for the selective recovery of aluminum from multi-layer beverage cans. <i>Waste Management</i> , <b>2021</b> , 120, 16-24	8.6	5
358	Tuning of adsorption of enzymes to polymer. <i>Methods in Enzymology</i> , <b>2021</b> , 648, 293-315	1.7	4
357	Delivery of Biomolecules Using Chitosan Wound Dressings. <i>Advances in Polymer Science</i> , <b>2021</b> , 447-467	1.3	0
356	Functionalization Strategies and Fabrication of Solvent-Cast PLLA for Bioresorbable Stents. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 1478	2.6	4
355	Leachability of metals from waste incineration residues by iron- and sulfur-oxidizing bacteria. <i>Journal of Environmental Management</i> , <b>2021</b> , 280, 111734	7.9	5
354	Biocatalyzed Synthesis of Flavor Esters and Polyesters: A Design of Experiments (DoE) Approach. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
353	Comparison of a fungal and a bacterial laccase for liginosulfonate polymerization. <i>Process Biochemistry</i> , <b>2021</b> , 109, 207-213	4.8	2
352	Oxidation of Various Kraft Lignins with a Bacterial Laccase Enzyme. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	4
351	High Throughput Screening for New Fungal Polyester Hydrolyzing Enzymes. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 554	5.7	6
350	Harnessing the Power of Enzymes for Tailoring and Valorizing Lignin. <i>Trends in Biotechnology</i> , <b>2020</b> , 38, 1215-1231	15.1	17
349	Enzymatic synthesis and tailoring lignin properties: A systematic study on the effects of plasticizers. <i>Polymer</i> , <b>2020</b> , 202, 122725	3.9	5
348	Enhanced methane producing microbial electrolysis cells for wastewater treatment using poly(neutral red) and chitosan modified electrodes. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 4238-4248	5.8	5
347	Polyphenol oxidases exhibit promiscuous proteolytic activity. <i>Communications Chemistry</i> , <b>2020</b> , 3,	6.3	7
346	Effects of enzymes on the refining of different pulps. <i>Journal of Biotechnology</i> , <b>2020</b> , 320, 1-10	3.7	4
345	Shotgun proteomics reveals putative polyestherases in the secretome of the rock-inhabiting fungus <i>Knufia chersonesos</i> . <i>Scientific Reports</i> , <b>2020</b> , 10, 9770	4.9	5
344	Lignin-Based Pesticide Delivery System. <i>ACS Omega</i> , <b>2020</b> , 5, 4322-4329	3.9	12
343	Enzymatic synthesis of biobased polyesters utilizing aromatic diols as the rigid component. <i>European Polymer Journal</i> , <b>2020</b> , 130, 109680	5.2	15

342	Thermal Upgrade of Enzymatically Synthesized Aliphatic and Aromatic Oligoesters. <i>Materials</i> , <b>2020</b> , 13,	3.5	7
341	Stirred-tank and heap-bioleaching of shredder-light-fractions (SLF) by acidophilic bacteria. <i>Hydrometallurgy</i> , <b>2020</b> , 193, 105315	4	6
340	Valorisation of slaughter house and deinking paper waste streams for the production of enzyme by <i>Trichoderma reesei</i> . <i>Journal of Cleaner Production</i> , <b>2020</b> , 275, 122882	10.3	2
339	Cultivation of heterotrophic algae on enzymatically hydrolyzed municipal food waste. <i>Algal Research</i> , <b>2020</b> , 50, 101993	5	10
338	Controlled enzymatic hydrolysis and synthesis of lignin cross-linked chitosan functional hydrogels. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 161, 1440-1446	7.9	5
337	A Fungal Ascorbate Oxidase with Unexpected Laccase Activity. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	3
336	Polymeric microspheres as support to co-immobilized <i>Agaricus bisporus</i> and <i>Trametes versicolor</i> laccases and their application in diazinon degradation. <i>Arabian Journal of Chemistry</i> , <b>2020</b> , 13, 4218-4227	5.9	13
335	Changing the Molecular Structure of Kraft Lignins by Ozonolysis Treatment at Alkaline Conditions. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 15163-15172	8.3	5
334	Environmentally friendly covalent coupling of proteins onto oxidized cellulosic materials. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 14536-14545	3.6	2
333	Enzymatic synthesis of highly flexible lignin cross-linked succinyl-chitosan hydrogels reinforced with reed cellulose fibres. <i>European Polymer Journal</i> , <b>2019</b> , 120, 109201	5.2	5
332	Immobilization of <i>Myceliophthora thermophila</i> laccase on poly(glycidyl methacrylate) microspheres enhances the degradation of azinphos-methyl. <i>Journal of Applied Polymer Science</i> , <b>2019</b> , 136, 47417	2.9	13
331	Microbial production of high value molecules using rayon waste material as carbon-source. <i>New Biotechnology</i> , <b>2019</b> , 51, 8-13	6.4	4
330	Enzymatic hydrolysis of poly(1,4-butylene 2,5-thiophenedicarboxylate) (PBTF) and poly(1,4-butylene 2,5-furandicarboxylate) (PBF) films: A comparison of mechanisms. <i>Environment International</i> , <b>2019</b> , 130, 104852	12.9	18
329	Enzymatic synthesis of lignin derivable pyridine based polyesters for the substitution of petroleum derived plastics. <i>Nature Communications</i> , <b>2019</b> , 10, 1762	17.4	37
328	pH-responsive materials for optical monitoring of wound status. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 301, 126966	8.5	9
327	Bioprocessing of polyesters <b>2019</b> , 37-48		1
326	Enzymatic Synthesis of 100% Lignin Biobased Granules as Fertilizer Storage and Controlled Slow Release Systems. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> ,	8.3	7
325	Glutathione from recovered glucose as ingredient in antioxidant nanocapsules for triggered flavor delivery. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 3958-3969	7.3	4

324	Surface functionalization of polyester. <i>Methods in Enzymology</i> , <b>2019</b> , 627, 339-360	1.7	1
323	Increased Flame Retardancy of Enzymatic Functionalized PET and Nylon Fabrics via DNA Immobilization. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 685	5	5
322	Switched reaction specificity in polyesterases towards amide bond hydrolysis by enzyme engineering.. <i>RSC Advances</i> , <b>2019</b> , 9, 36217-36226	3.7	6
321	Lysozyme-Responsive Spray-Dried Chitosan Particles for Early Detection of Wound Infection. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 1331-1339	4.1	14
320	Smart textiles in wound care: functionalization of cotton/PET blends with antimicrobial nanocapsules. <i>Journal of Materials Chemistry B</i> , <b>2019</b> , 7, 6592-6603	7.3	14
319	Surface engineering of polyester-degrading enzymes to improve efficiency and tune specificity. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 3551-3559	5.7	33
318	Wound swab and wound biopsy yield similar culture results. <i>Wound Repair and Regeneration</i> , <b>2018</b> , 26, 192-199	3.6	9
317	The chemo enzymatic functionalization of chitosan zeolite particles provides antioxidant and antimicrobial properties. <i>Engineering in Life Sciences</i> , <b>2018</b> , 18, 334-340	3.4	14
316	Enzymatic Recycling of High-Value Phosphor Flame-Retardant Pigment and Glucose from Rayon Fibers. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 2386-2394	8.3	17
315	Laccase catalyzed elimination of morphine from aqueous systems. <i>New Biotechnology</i> , <b>2018</b> , 42, 19-25	6.4	12
314	Laccase modified lignosulfonates as novel binder in pigment based paper coating formulations. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 123, 20-25	4.6	18
313	Technical Lignins and Their Utilization in the Surface Sizing of Paperboard. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2018</b> , 57, 6284-6291	3.9	9
312	Synergistic effect of mutagenesis and truncation to improve a polyesterase from Clostridium botulinum for polyester hydrolysis. <i>Scientific Reports</i> , <b>2018</b> , 8, 3745	4.9	15
311	Anti-inflammatory and anti-oxidant properties of laccase-synthesized phenolic-O-carboxymethyl chitosan hydrogels. <i>New Biotechnology</i> , <b>2018</b> , 40, 236-244	6.4	29
310	Ultrasound-assisted extraction of hemicellulose and phenolic compounds from bamboo bast fiber powder. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197537	3.7	11
309	Towards Sustainable High-Performance Thermoplastics: Synthesis, Characterization, and Enzymatic Hydrolysis of Bisguaiacol-Based Polyesters. <i>ChemSusChem</i> , <b>2018</b> , 11, 2529-2539	8.3	51
308	Enzyme functionalized electrospun chitosan mats for antimicrobial treatment. <i>Carbohydrate Polymers</i> , <b>2018</b> , 181, 551-559	10.3	41
307	Enzymes as Enhancers for the Biodegradation of Synthetic Polymers in Wastewater. <i>ChemBioChem</i> , <b>2018</b> , 19, 317-325	3.8	13

306	Efficient Physisorption of <i>Candida Antarctica</i> Lipase B on Polypropylene Beads and Application for Polyester Synthesis. <i>Catalysts</i> , <b>2018</b> , 8, 369	4	14
305	Highly Selective Enzymatic Recovery of Building Blocks from Wool-Cotton-Polyester Textile Waste Blends. <i>Polymers</i> , <b>2018</b> , 10,	4.5	21
304	Internalization of Methotrexate Conjugates by Folate Receptor- $\beta$ . <i>Biochemistry</i> , <b>2018</b> , 57, 6780-6786	3.2	8
303	Enzymatic Degradation of Star Poly(-Caprolactone) with Different Central Units. <i>Polymers</i> , <b>2018</b> , 10,	4.5	18
302	Structural insights into pH-responsive drug release of self-assembling human serum albumin-silk fibroin nanocapsules. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2018</b> , 133, 176-187	5.7	15
301	Enzymes as Green Catalysts and Interactive Biomolecules in Wound Dressing Hydrogels. <i>Trends in Biotechnology</i> , <b>2018</b> , 36, 1040-1053	15.1	24
300	Enzymatic recovery of polyester building blocks from polymer blends. <i>Process Biochemistry</i> , <b>2017</b> , 59, 58-64	4.8	57
299	Two distinct enzymatic approaches for coupling fatty acids onto lignocellulosic materials. <i>Process Biochemistry</i> , <b>2017</b> , 59, 111-115	4.8	5
298	Cellobiose dehydrogenase-based biomedical applications. <i>Process Biochemistry</i> , <b>2017</b> , 59, 37-45	4.8	11
297	A new arylesterase from <i>Pseudomonas pseudoalcaligenes</i> can hydrolyze ionic phthalic polyesters. <i>Journal of Biotechnology</i> , <b>2017</b> , 257, 70-77	3.7	8
296	Influence of nitrogen-rich substrates on biogas production and on the methanogenic community under mesophilic and thermophilic conditions. <i>Anaerobe</i> , <b>2017</b> , 46, 146-154	2.8	10
295	Engineering of the zinc-binding domain of an esterase from <i>Clostridium botulinum</i> towards increased activity on polyesters. <i>Catalysis Science and Technology</i> , <b>2017</b> , 7, 1440-1447	5.5	12
294	A Dual-Enzyme Hydrogen Peroxide Generation Machinery in Hydrogels Supports Antimicrobial Wound Treatment. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 15307-15316	9.5	34
293	Synergistic chemo-enzymatic hydrolysis of poly(ethylene terephthalate) from textile waste. <i>Microbial Biotechnology</i> , <b>2017</b> , 10, 1376-1383	6.3	51
292	Enzymatic Hydrolysis of Polyester Thin Films at the Nanoscale: Effects of Polyester Structure and Enzyme Active-Site Accessibility. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 7476-7485	10.3	41
291	Hydrolysis of Ionic Phthalic Acid Based Polyesters by Wastewater Microorganisms and Their Enzymes. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 4596-4605	10.3	21
290	Superhydrophobic functionalization of cutinase activated poly(lactic acid) surfaces. <i>Green Chemistry</i> , <b>2017</b> , 19, 816-822	10	22
289	PpEst is a novel PBAT degrading polyesterase identified by proteomic screening of <i>Pseudomonas pseudoalcaligenes</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 2291-2303	5.7	34

288	Discovery of Polyesterases from Moss-Associated Microorganisms. <i>Applied and Environmental Microbiology</i> , <b>2017</b> , 83,	4.8	17
287	Enzymatic production of clickable and PEGylated recombinant polyhydroxyalkanoates. <i>Green Chemistry</i> , <b>2017</b> , 19, 5494-5504	10	15
286	Enzymatic surface hydrolysis of poly(ethylene furanoate) thin films of various crystallinities. <i>Green Chemistry</i> , <b>2017</b> , 19, 5381-5384	10	61
285	Polyol Structure and Ionic Moieties Influence the Hydrolytic Stability and Enzymatic Hydrolysis of Bio-Based 2,5-Furandicarboxylic Acid (FDCA) Copolyesters. <i>Polymers</i> , <b>2017</b> , 9,	4.5	9
284	His-Tag Immobilization of Cutinase 1 From <i>Thermobifida cellulositytica</i> for Solvent-Free Synthesis of Polyesters. <i>Biotechnology Journal</i> , <b>2017</b> , 12, 1700322	5.6	13
283	Small cause, large effect: Structural characterization of cutinases from <i>Thermobifida cellulositytica</i> . <i>Biotechnology and Bioengineering</i> , <b>2017</b> , 114, 2481-2488	4.9	35
282	Polyol Structure Influences Enzymatic Hydrolysis of Bio-Based 2,5-Furandicarboxylic Acid (FDCA) Polyesters. <i>Biotechnology Journal</i> , <b>2017</b> , 12, 1600741	5.6	22
281	Cytotoxicity of Biochar: A Workplace Safety Concern?. <i>Environmental Science and Technology Letters</i> , <b>2017</b> , 4, 362-366	11	37
280	Enzymatic Functionalization of HMLS-Polyethylene Terephthalate Fabrics Improves the Adhesion to Rubber. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2017</b> , 5, 6456-6465	8.3	19
279	Enzymatic hydrolysis of poly(ethyleneterephthalate) used for and analysed by pore modification of track-etched membranes. <i>New Biotechnology</i> , <b>2017</b> , 39, 42-50	6.4	8
278	Chitosan hydrogel formation using laccase activated phenolics as cross-linkers. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 814-822	10.3	57
277	Enzyme-catalyzed functionalization of poly(L-lactic acid) for drug delivery applications. <i>Process Biochemistry</i> , <b>2017</b> , 59, 77-83	4.8	33
276	Cellobiose dehydrogenase and chitosan-based lysozyme responsive materials for antimicrobial wound treatment. <i>Biotechnology and Bioengineering</i> , <b>2017</b> , 114, 416-422	4.9	21
275	Fully renewable polyesters via polycondensation catalyzed by <i>Thermobifida cellulositytica</i> cutinase 1: an integrated approach. <i>Green Chemistry</i> , <b>2017</b> , 19, 490-502	10	25
274	Polyester hydrolysis is enhanced by a truncated esterase: Less is more. <i>Biotechnology Journal</i> , <b>2017</b> , 12,	5.6	17
273	Enzymatic Systems for Cellulose Acetate Degradation. <i>Catalysts</i> , <b>2017</b> , 7, 287	4	20
272	Enzymatic Degradation of Poly(ethylene 2,5-furanoate) Powders and Amorphous Films. <i>Catalysts</i> , <b>2017</b> , 7, 318	4	54
271	Enzymatic Degradation of Aromatic and Aliphatic Polyesters by Expressed Cutinase 1 from. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 938	5.7	40



270	Laccase oxidation and removal of toxicants released during combustion processes. <i>Chemosphere</i> , <b>2016</b> , 144, 652-60	8.4	12
269	Commercial cellulases from <i>Trichoderma longibrachiatum</i> enable a large-scale production of chito-oligosaccharides. <i>Pure and Applied Chemistry</i> , <b>2016</b> , 88, 865-872	2.1	5
268	Renewable building blocks for sustainable polyesters: new biotechnological routes for greener plastics. <i>Polymer International</i> , <b>2016</b> , 65, 861-871	3.3	107
267	Hydrolysis of synthetic polyesters by <i>Clostridium botulinum</i> esterases. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 1024-34	4.9	43
266	Influence of Oxygen and Mediators on Laccase-Catalyzed Polymerization of Lignosulfonate. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2016</b> , 4, 5303-5310	8.3	35
265	Hydrolytic degradation of ROMP thermosetting materials catalysed by bio-derived acids and enzymes: from networks to linear materials. <i>Green Chemistry</i> , <b>2016</b> , 18, 5190-5199	10	11
264	Cellobiohydrolases Produce Different Oligosaccharides from Chitosan. <i>Biomacromolecules</i> , <b>2016</b> , 17, 2284-92	6.9	18
263	Antifouling and Antibacterial Multifunctional Polyzwitterion/Enzyme Coating on Silicone Catheter Material Prepared by Electrostatic Layer-by-Layer Assembly. <i>Langmuir</i> , <b>2016</b> , 32, 1347-59	4	101
262	The Closure of the Cycle: Enzymatic Synthesis and Functionalization of Bio-Based Polyesters. <i>Trends in Biotechnology</i> , <b>2016</b> , 34, 316-328	15.1	92
261	Enlarging the tools for efficient enzymatic polycondensation: structural and catalytic features of cutinase 1 from <i>Thermobifida cellulolytica</i> . <i>Catalysis Science and Technology</i> , <b>2016</b> , 6, 3430-3442	5.5	32
260	Antimicrobial Cellobiose Dehydrogenase-Chitosan Particles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 967-73	9.5	22
259	Characterization of a poly(butylene adipate-co-terephthalate)-hydrolyzing lipase from <i>Pelosinus fermentans</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2016</b> , 100, 1753-1764	5.7	49
258	An Esterase from Anaerobic <i>Clostridium hathewayi</i> Can Hydrolyze Aliphatic-Aromatic Polyesters. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 2899-907	10.3	24
257	Enzymatic hydrolysis of poly(ethylene furanoate). <i>Journal of Biotechnology</i> , <b>2016</b> , 235, 47-53	3.7	82
256	Comparison of biogas sludge and raw crop material as source of hydrolytic cultures for anaerobic digestion. <i>Bioresource Technology</i> , <b>2016</b> , 207, 244-51	11	25
255	Data on synthesis of oligomeric and polymeric poly(butylene adipate-co-butylene terephthalate) model substrates for the investigation of enzymatic hydrolysis. <i>Data in Brief</i> , <b>2016</b> , 7, 291-8	1.2	8
254	Improving enzymatic polyurethane hydrolysis by tuning enzyme sorption. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 132, 69-77	4.7	46
253	Substrate specificities of cutinases on aliphatic-aromatic polyesters and on their model substrates. <i>New Biotechnology</i> , <b>2016</b> , 33, 295-304	6.4	32



252	Nature Inspired Solutions for Polymers: Will Cutinase Enzymes Make Polyesters and Polyamides Greener?. <i>Catalysts</i> , <b>2016</b> , 6, 205	4	38
251	On the Effect of Microwave Energy on Lipase-Catalyzed Polycondensation Reactions. <i>Molecules</i> , <b>2016</b> , 21,	4.8	14
250	Polymerization of Various Lignins via Immobilized Myceliophthora thermophila Laccase (Mtl). <i>Polymers</i> , <b>2016</b> , 8,	4.5	20
249	Exploring mild enzymatic sustainable routes for the synthesis of bio-degradable aromatic-aliphatic oligoesters. <i>Biotechnology Journal</i> , <b>2016</b> , 11, 642-7	5.6	22
248	Myeloperoxidase-responsive materials for infection detection based on immobilized aminomethoxyphenol. <i>Biotechnology and Bioengineering</i> , <b>2016</b> , 113, 2553-2560	4.9	4
247	Cellobiose dehydrogenase functionalized urinary catheter as novel antibiofilm system. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , <b>2016</b> , 104, 1448-56	3.5	25
246	Chitosan based substrates for wound infection detection based on increased lysozyme activity. <i>Carbohydrate Polymers</i> , <b>2016</b> , 151, 260-267	10.3	17
245	Ultrasound-enhanced enzymatic hydrolysis of poly(ethylene terephthalate). <i>Bioresource Technology</i> , <b>2016</b> , 218, 1298-302	11	40
244	Peptide Anchor for Folate-Targeted Liposomal Delivery. <i>Biomacromolecules</i> , <b>2015</b> , 16, 2904-10	6.9	31
243	Laccase mediated oxidation of industrial lignins: Is oxygen limiting?. <i>Process Biochemistry</i> , <b>2015</b> , 50, 1277-1283	4.1	35
242	Size controlled protein nanoemulsions for active targeting of folate receptor positive cells. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 135, 90-98	6	22
241	Ultrasound coating of polydimethylsiloxanes with antimicrobial enzymes. <i>Journal of Materials Chemistry B</i> , <b>2015</b> , 3, 7014-7019	7.3	21
240	Enhanced cutinase-catalyzed hydrolysis of polyethylene terephthalate by covalent fusion to hydrophobins. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 3586-92	4.8	109
239	Biomarkers for infection: enzymes, microbes, and metabolites. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 4595-614	5.7	29
238	Microbiology and Molecular Biology Tools for Biogas Process Analysis, Diagnosis and Control. <i>Advances in Biochemical Engineering/Biotechnology</i> , <b>2015</b> , 151, 1-40	1.7	7
237	Enzyme-responsive polymers for microbial infection detection. <i>Expert Review of Molecular Diagnostics</i> , <b>2015</b> , 15, 1125-31	3.8	8
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