Vladimr Kren

List of Publications by Year in Descending Order

267 papers	7,223 citations	41 h-index	71 g-index
290 ext. papers	8,099 ext. citations	5.6 avg, IF	6.02 L-index

#	Paper	IF	Citations
267	Discovery of human hexosaminidase inhibitors by in situ screening of a library of mono- and divalent pyrrolidine iminosugars.. *Bioorganic Chemistry*, **2022**, 120, 105650	5.1	1
266	Glycopolymers Decorated with 3--Substituted Thiodigalactosides as Potent Multivalent Inhibitors of Galectin-3.. *Journal of Medicinal Chemistry*, **2022**,	8.3	0
265	Methods of in vitro study of galectin-glycomaterial interaction.. *Biotechnology Advances*, **2022**, 107928	17.8	1
264	A Career in Biocatalysis: Kurt Faber. *ACS Catalysis*, **2022**, 12, 3909-3922	13.1	
263	Engineered Glycosidases for the Synthesis of Analogs of Human Milk Oligosaccharides.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	2
262	Flavonolignans from silymarin modulate antibiotic resistance and virulence in Staphylococcus aureus.. *Biomedicine and Pharmacotherapy*, **2022**, 149, 112806	7.5	1
261	Sulfated Phenolic Substances: Preparation and Optimized HPLC Analysis. *International Journal of Molecular Sciences*, **2022**, 23, 5743	6.3	0
260	Silymarin Dehydroflavonolignans Chelate Zinc and Partially Inhibit Alcohol Dehydrogenase.. *Nutrients*, **2021**, 13,	6.7	2
259	Interaction between Galectin-3 and Integrins Mediates Cell-Matrix Adhesion in Endothelial Cells and Mesenchymal Stem Cells. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	7
258	Cross-Linking Effects Dictate the Preference of Galectins to Bind LacNAc-Decorated HPMA Copolymers. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
257	Chirality Matters: Biological Activity of Optically Pure Silybin and Its Congeners. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	5
256	Advanced glycosidases as ingenious biosynthetic instruments. *Biotechnology Advances*, **2021**, 49, 107733	17.8	7
255	Access to both anomers of rutinosyl azide using wild-type rutinosidase and its catalytic nucleophile mutant. *Catalysis Communications*, **2021**, 149, 106193	3.2	7
254	Flavonolignans from silymarin do not intercalate into DNA: Rebuttal of data published in the paper J. Mol. Recognit. e2812 (2019). *Journal of Molecular Recognition*, **2021**, 34, e2888	2.6	1
253	Systematic review of pharmacokinetics and potential pharmacokinetic interactions of flavonolignans from silymarin. *Medicinal Research Reviews*, **2021**, 41, 2195-2246	14.4	9
252	Immunoprotective neo-glycoproteins: Chemoenzymatic synthesis of multivalent glycomimetics for inhibition of cancer-related galectin-3. *European Journal of Medicinal Chemistry*, **2021**, 220, 113500	6.8	4
251	Exploration of GH94 Sequence Space for Enzyme Discovery Reveals a Novel Glucosylgalactose Phosphorylase Specificity. *ChemBioChem*, **2021**, 22, 3319-3325	3.8	0

250	Continuous Diastereomeric Kinetic Resolution Silybins A and B. *Catalysts*, **2021**, 11, 1106	4	2
249	Reprint of: Advanced glycosidases as ingenious biosynthetic instruments. *Biotechnology Advances*, **2021**, 51, 107820	17.8	
248	Mild and Selective Method of Bromination of Flavonoids. *Journal of Natural Products*, **2020**, 83, 3324-3331	4.9	5
247	Regioselective 3-O-Substitution of Unprotected Thiodigalactosides: Direct Route to Galectin Inhibitors. *Chemistry - A European Journal*, **2020**, 26, 9620-9631	4.8	6
246	Multidrug Resistance Modulation Activity of Silybin Derivatives and Their Anti-inflammatory Potential. *Antioxidants*, **2020**, 9,	7.1	12
245	Rutinosidase from Aspergillus niger: crystal structure and insight into the enzymatic activity. *FEBS Journal*, **2020**, 287, 3315-3327	5.7	8
244	Biotransformation of Silymarin Flavonolignans by Human Fecal Microbiota. *Metabolites*, **2020**, 10,	5.6	9
243	Dual SMO/BRAF Inhibition by Flavonolignans from. *Antioxidants*, **2020**, 9,	7.1	7
242	Simple and Rapid HPLC Separation and Quantification of Flavonoid, Flavonolignans, and 2,3-Dehydroflavonolignans in Silymarin. *Foods*, **2020**, 9,	4.9	11
241	High-Affinity -(2-Hydroxypropyl)methacrylamide Copolymers with Tailored -Acetyllactosamine Presentation Discriminate between Galectins. *Biomacromolecules*, **2020**, 21, 641-652	6.9	17
240	Liquid chromatography-drift tube ion mobility-mass spectrometry as a new challenging tool for the separation and characterization of silymarin flavonolignans. *Analytical and Bioanalytical Chemistry*, **2020**, 412, 819-832	4.4	8
239	A novel enzymatic tool for transferring GalNAc moiety onto challenging acceptors. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2020**, 1868, 140319	4	8
238	Identification of UDP-glucuronosyltransferases involved in the metabolism of silymarin flavonolignans. *Journal of Pharmaceutical and Biomedical Analysis*, **2020**, 178, 112972	3.5	7
237	Sulfated Metabolites of Luteolin, Myricetin, and Ampelopsin: Chemoenzymatic Preparation and Biophysical Properties. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 11197-11206	5.7	2
236	Transglycosidase activity of glycosynthase-type mutants of a fungal GH20 N-acetylhexosaminidase. *International Journal of Biological Macromolecules*, **2020**, 161, 1206-1215	7.9	4
235	How Site-Directed Mutagenesis Boosted Selectivity of a Promiscuous Enzyme. *Advanced Synthesis and Catalysis*, **2020**, 362, 4138-4150	5.6	5
234	Glycopolymers for Efficient Inhibition of Galectin-3: Proof of Efficacy Using Suppression of T Lymphocyte Apoptosis and Tumor Cell Migration. *Biomacromolecules*, **2020**, 21, 3122-3133	6.9	19
233	Dual Substrate Specificity of the Rutinosidase from and the Role of Its Substrate Tunnel. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	2

232	Glycosylation, Sulfation and Phosphorylation **2020**, 363-407		
231	Defying Multidrug Resistance! Modulation of Related Transporters by Flavonoids and Flavonolignans. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 1763-1779	5.7	28
230	Identifying Efficient Toxin A Binders with a Multivalent Neo-Glycoprotein Glycan Library. *Bioconjugate Chemistry*, **2019**, 30, 2373-2383	6.3	4
229	Antioxidant, Anti-Inflammatory, and Multidrug Resistance Modulation Activity of Silychristin Derivatives. *Antioxidants*, **2019**, 8,	7.1	15
228	The Effect of Silymarin Flavonolignans and Their Sulfated Conjugates on Platelet Aggregation and Blood Vessels Ex Vivo. *Nutrients*, **2019**, 11,	6.7	8
227	2,3-Dehydroderivatives of Silymarin Flavonolignans: Prospective Natural Compounds for the Prevention of Chronic Diseases. *Proceedings (mdpi)*, **2019**, 11, 21	0.3	3
226	Potential of Mitochondria-Targeted Antioxidants to Prevent Oxidative Stress in Pancreatic -cells. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 1826303	6.7	19
225	Chemoenzymatic Synthesis and Radical Scavenging of Sulfated Hydroxytyrosol, Tyrosol, and Acetylated Derivatives. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 7281-7288	5.7	5
224	Bioproduction of Quercetin and Rutinose Catalyzed by Rutinosidase: Novel Concept of "Solid State Biocatalysis". *International Journal of Molecular Sciences*, **2019**, 20,	6.3	15
223	Glycosidase-Catalyzed Synthesis of Glycosyl Esters and Phenolic Glycosides of Aromatic Acids. *Advanced Synthesis and Catalysis*, **2019**, 361, 2627	5.6	10
222	Isolated Silymarin Flavonoids Increase Systemic and Hepatic Bilirubin Concentrations and Lower Lipoperoxidation in Mice. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 6026902	6.7	13
221	The □Acetylhexosaminidase in the Synthesis of Bioactive Glycans: Protein and Reaction Engineering. *Molecules*, **2019**, 24,	4.8	20
220	Poor chemical and microbiological quality of the commercial milk thistle-based dietary supplements may account for their reported unsatisfactory and non-reproducible clinical outcomes. *Scientific Reports*, **2019**, 9, 11118	4.9	27
219	□N-Acetylhexosaminidases-the wizards of glycosylation. *Applied Microbiology and Biotechnology*, **2019**, 103, 7869-7881	5.7	18
218	Complex Evaluation of Antioxidant Capacity of Milk Thistle Dietary Supplements. *Antioxidants*, **2019**, 8,	7.1	13
217	Redox properties of individual quercetin moieties. *Free Radical Biology and Medicine*, **2019**, 143, 240-251	7.8	24
216	Preparation of Retinoyl-Flavonolignan Hybrids and Their Antioxidant Properties. *Antioxidants*, **2019**, 8,	7.1	5
215	response of human ovarian cancer cells to dietary bioflavonoid isoquercitrin. *Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes*, **2019**, 54, 752-757	2.2	7

214	The flavonoid degrading fungus Acremonium sp. DSM 24697 produces two diglycosidases with different specificities. *Applied Microbiology and Biotechnology*, **2019**, 103, 9493-9504	5.7	6
213	Selective □N-acetylhexosaminidase from Aspergillus versicolor-a tool for producing bioactive carbohydrates. *Applied Microbiology and Biotechnology*, **2019**, 103, 1737-1753	5.7	16
212	Acceptor Specificity of □Acetylhexosaminidase from : A Rational Explanation. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	9
211	Galectin-Carbohydrate Interactions in Biomedicine and Biotechnology. *Trends in Biotechnology*, **2019**, 37, 402-415	15.1	50
210	Oxidation of flavonolignan silydianin to unexpected lactone-acid derivative. *Phytochemistry Letters*, **2019**, 30, 14-20	1.9	9
209	Enzyme-mediated transglycosylation of rutinose (6-O-□-rhamnosyl-d-glucose) to phenolic compounds by a diglycosidase from Acremonium sp. DSM 24697. *Biotechnology and Applied Biochemistry*, **2019**, 66, 53-59	2.8	9
208	In vitro and in silico studies of the membrane permeability of natural flavonoids from Silybum marianum (L.) Gaertn. and their derivatives. *Phytomedicine*, **2019**, 53, 79-85	6.5	14
207	Metabolism of flavonolignans in human hepatocytes. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 152, 94-101	3.5	13
206	Molecular Defects in Cardiac Myofilament Ca-Regulation Due to Cardiomyopathy-Linked Mutations Can Be Reversed by Small Molecules Binding to Troponin. *Frontiers in Physiology*, **2018**, 9, 243	4.6	10
205	Poly-N-Acetyllactosamine Neo-Glycoproteins as Nanomolar Ligands of Human Galectin-3: Binding Kinetics and Modeling. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	30
204	Sulfated Metabolites of Flavonolignans and 2,3-Dehydroflavonolignans: Preparation and Properties. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	18
203	Isoquercetin enzymatic production: A true story. *Molecular Catalysis*, **2018**, 458, 112-114	3.3	3
202	Crystal structure of native □-L-rhamnosidase from Aspergillus terreus. *Acta Crystallographica Section D: Structural Biology*, **2018**, 74, 1078-1084	5.5	10
201	Interaction of isolated silymarin flavonolignans with iron and copper. *Journal of Inorganic Biochemistry*, **2018**, 189, 115-123	4.2	7
200	KnowVolution Campaign of an Aryl Sulfotransferase Increases Activity toward Cellobiose. *Chemistry - A European Journal*, **2018**, 24, 17117-17124	4.8	12
199	A Sustainable One-Pot, Two-Enzyme Synthesis of Naturally Occurring Arylalkyl Glucosides. *ChemSusChem*, **2017**, 10, 2040-2045	8.3	18
198	Flavonolignan 2,3-dehydrosilydianin activates Nrf2 and upregulates NAD(P)H:quinone oxidoreductase 1 in Hepa1c1c7 cells. *F□□oterap*□ **2017**, 119, 115-120	3.2	24
197	Two-Step Enzymatic Synthesis of □-d-N-Acetylgalactosamine-(1-□)-d-N-acetylglucosamine (LacdiNAc) Chitooligomers for Deciphering Galectin Binding Behavior. *Advanced Synthesis and Catalysis*, **2017**, 359, 2101-2108	5.6	26

196	European contribution to the study of ROS: A summary of the findings and prospects for the future from the COST action BM1203 (EU-ROS). *Redox Biology*, **2017**, 13, 94-162	11.3	185
195	Novel flavonolignan hybrid antioxidants: From enzymatic preparation to molecular rationalization. *European Journal of Medicinal Chemistry*, **2017**, 127, 263-274	6.8	18
194	2,3-Dehydrosilybin A/B as a pro-longevity and anti-aggregation compound. *Free Radical Biology and Medicine*, **2017**, 103, 256-267	7.8	23
193	Tailored Multivalent Neo-Glycoproteins: Synthesis, Evaluation, and Application of a Library of Galectin-3-Binding Glycan Ligands. *Bioconjugate Chemistry*, **2017**, 28, 2832-2840	6.3	44
192	Chemo-Enzymatic Synthesis of Branched N-Acetyllactosamine Glycan Oligomers for Galectin-3 Inhibition. *Advanced Synthesis and Catalysis*, **2017**, 359, 4015-4024	5.6	9
191	The Stoichiometry of Isoquercitrin Complex with Iron or Copper Is Highly Dependent on Experimental Conditions. *Nutrients*, **2017**, 9,	6.7	15
190	Chemoenzymatic Preparation and Biophysical Properties of Sulfated Quercetin Metabolites. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	10
189	Quercetin and its analogues: optical and acido-basic properties. *Physical Chemistry Chemical Physics*, **2017**, 19, 26870-26879	3.6	23
188	Oxidation of Natural Bioactive Flavonolignan 2,3-Dehydrosilybin: An Electrochemical and Spectral Study. *Journal of Physical Chemistry B*, **2017**, 121, 6841-6846	3.4	3
187	The silymarin composition and why does it matter???. *Food Research International*, **2017**, 100, 339-353	7	74
186	Synthesis and Antiradical Activity of Isoquercitrin Esters with Aromatic Acids and Their Homologues. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	12
185	Flavonolignan Conjugates as DNA-binding Ligands and Topoisomerase I Inhibitors: Electrochemical and Electrophoretic Approaches. *Electroanalysis*, **2016**, 28, 2866-2874	3	6
184	Silychristin: Skeletal Alterations and Biological Activities. *Journal of Natural Products*, **2016**, 79, 3086-3092	4.9	26
183	Semisynthetic flavonoid 7-O-galloylquercetin activates Nrf2 and induces Nrf2-dependent gene expression in RAW264.7 and Hepa1c1c7 cells. *Chemico-Biological Interactions*, **2016**, 260, 58-66	5	10
182	Tunable optical properties of silymarin flavonolignans. *Journal of Photochemistry and Photobiology A: Chemistry*, **2016**, 328, 154-162	4.7	1
181	Silibinin and its 2,3-dehydro-derivative inhibit basal cell carcinoma growth via suppression of mitogenic signaling and transcription factors activation. *Molecular Carcinogenesis*, **2016**, 55, 3-14	5	23
180	Bacteria as source of diglycosidase activity: Actinoplanes missouriensis produces 6-O-α-L-rhamnosyl-β-D-glucosidase active on flavonoids. *Applied Microbiology and Biotechnology*, **2016**, 100, 3061-70	5.7	11
179	Flavonolignan 2,3-dehydroderivatives: Preparation, antiradical and cytoprotective activity. *Free Radical Biology and Medicine*, **2016**, 90, 114-25	7.8	62

178	Effects of 2,3-Dehydrosilybin and Its Galloyl Ester and Methyl Ether Derivatives on Human Umbilical Vein Endothelial Cells. *Journal of Natural Products*, **2016**, 79, 812-20	4.9	10
177	Isoquercitrin Esters with Mono- or Dicarboxylic Acids: Enzymatic Preparation and Properties. *International Journal of Molecular Sciences*, **2016**, 17,	6.3	14
176	Unconventional application of the Mitsunobu reaction: Selective flavonolignan dehydration yielding hydnocarpins. *Beilstein Journal of Organic Chemistry*, **2016**, 12, 662-9	2.5	6
175	Towards Keratan Sulfate Chemoenzymatic Cascade Synthesis of Sulfated N-Acetyllactosamine (LacNAc) Glycan Oligomers. *Advanced Synthesis and Catalysis*, **2016**, 358, 584-596	5.6	10
174	(Anti)mutagenic and immunomodulatory properties of quercetin glycosides. *Journal of the Science of Food and Agriculture*, **2016**, 96, 1492-9	4.3	16
173	Laccase-catalyzed dimerization of glycosylated lignols. *Journal of Molecular Catalysis B: Enzymatic*, **2016**, 134, 295-301		5
172	Expression of human N-acetylhexosaminidase B in yeast eases the search for selective inhibitors. *Enzyme and Microbial Technology*, **2016**, 89, 1-6	3.8	3
171	Oxidation of the Flavonolignan Silybin. In situ EPR Evidence of the Spin-Trapped Silybin Radical. *Electrochimica Acta*, **2016**, 205, 118-123	6.7	9
170	Protective effect of isoquercitrin against acute dextran sulfate sodium-induced rat colitis depends on the severity of tissue damage. *Pharmacological Reports*, **2016**, 68, 1197-1204	3.9	15
169	Pharmacokinetics of pure silybin diastereoisomers and identification of their metabolites in rat plasma. *Journal of Functional Foods*, **2015**, 14, 570-580	5.1	20
168	Computational study of N-acetylhexosaminidase from Talaromyces flavus, a glycosidase with high substrate flexibility. *BMC Bioinformatics*, **2015**, 16, 28	3.6	18
167	Sulfation modulates the cell uptake, antiradical activity and biological effects of flavonoids in vitro: An examination of quercetin, isoquercitrin and taxifolin. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 5402-9	3.4	30
166	Prokaryotic and Eukaryotic Aryl Sulfotransferases: Sulfation of Quercetin and Its Derivatives. *ChemCatChem*, **2015**, 7, 3152-3162	5.2	17
165	L-Rhamnosyl-D-glucosidase (Rutinosidase) from Aspergillus niger: Characterization and Synthetic Potential of a Novel Diglycosidase. *Advanced Synthesis and Catalysis*, **2015**, 357, 107-117	5.6	31
164	Synthesis of Derivatized Chitooligomers using Transglycosidases Engineered from the Fungal GH20 N-Acetylhexosaminidase. *Advanced Synthesis and Catalysis*, **2015**, 357, 1941-1950	5.6	31
163	Chemoenzymatic Synthesis of D-Glucosides using Cellobiose Phosphorylase from Clostridium thermocellum. *Advanced Synthesis and Catalysis*, **2015**, 357, 1961-1969	5.6	6
162	Laccase-Catalyzed Dimerization of Piceid, a Resveratrol Glucoside, and its Further Enzymatic Elaboration. *Advanced Synthesis and Catalysis*, **2015**, 357, 1831-1839	5.6	11
161	Regioselective alcoholysis of silychristin acetates catalyzed by lipases. *International Journal of Molecular Sciences*, **2015**, 16, 11983-95	6.3	6

160	Upscale of recombinant α-L-rhamnosidase production by Pichia pastoris Mut(S) strain. *Frontiers in Microbiology*, **2015**, 6, 1140	5.7	16
159	Enzymatic Glycosylation of Phenolic Antioxidants: Phosphorylase-Mediated Synthesis and Characterization. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 10131-9	5.7	32
158	"Non-Taxifolin" Derived Flavonolignans: Phytochemistry and Biology. *Current Pharmaceutical Design*, **2015**, 21, 5489-500	3.3	25
157	Inhibition of microbial β-N-acetylhexosaminidases by 4-deoxy- and galacto-analogues of NAG-thiazoline. *Bioorganic and Medicinal Chemistry Letters*, **2014**, 24, 5321-3	2.9	0
156	Biphasic Catalysis with Disaccharide Phosphorylases: Chemoenzymatic Synthesis of β-d-Glucosides Using Sucrose Phosphorylase. *Organic Process Research and Development*, **2014**, 18, 781-787	3.9	18
155	Enzymatic oxidative dimerization of silymarin flavonolignans. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 109, 24-30		22
154	Preparation of silybin phase II metabolites: Streptomyces catalyzed glucuronidation. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 102, 167-173		6
153	Access to bifunctionalized biomolecular platforms using oxime ligation. *Carbohydrate Research*, **2014**, 393, 9-14	2.9	4
152	cis-trans Isomerization of silybins A and B. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 1047-1063	2.5	11
151	Inhibition of GlcNAc-processing glycosidases by C-6-azido-NAG-thiazoline and its derivatives. *Molecules*, **2014**, 19, 3471-88	4.8	11
150	Protein engineering study of β-mannosidase to set up a potential chemically efficient biocatalyst. *Glycobiology*, **2014**, 24, 1301-11	5.8	1
149	Re-evaluation of binding properties of recombinant lymphocyte receptors NKR-P1A and CD69 to chemically synthesized glycans and peptides. *International Journal of Molecular Sciences*, **2014**, 15, 1271-83	6.3	3
148	Chemo-enzymatic synthesis of silybin and 2,3-dehydrosilybin dimers. *Molecules*, **2014**, 19, 4115-34	4.8	19
147	Expression, characterization and homology modeling of a novel eukaryotic GH84 β-N-acetylglucosaminidase from Penicillium chrysogenum. *Protein Expression and Purification*, **2014**, 95, 204-10	2	14
146	Chemo-enzymatic synthesis of LacdiNAc dimers of varying length as novel galectin ligands. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 101, 47-55		23
145	Bioavailability of silymarin flavonolignans: drug formulations and biotransformation. *Phytochemistry Reviews*, **2014**, 13, 1-18	7.7	60
144	Isoquercitrin: pharmacology, toxicology, and metabolism. *Food and Chemical Toxicology*, **2014**, 68, 267-82	4.7	203
143	Enzymatic preparation of silybin phase II metabolites: sulfation using aryl sulfotransferase from rat liver. *Applied Microbiology and Biotechnology*, **2013**, 97, 10391-8	5.7	15

142	Preparative method for isosilybin isolation based on enzymatic kinetic resolution of silymarin mixture. *Process Biochemistry*, **2013**, 48, 184-189	4.8	16
141	Chemoenzymatic synthesis of α-L-rhamnosides using recombinant α-L-rhamnosidase from Aspergillus terreus. *Bioresource Technology*, **2013**, 147, 640-644	11	26
140	Antioxidant, metal-binding and DNA-damaging properties of flavonolignans: a joint experimental and computational highlight based on 7-O-galloylsilybin. *Chemico-Biological Interactions*, **2013**, 205, 173-80	5	21
139	Recombinant α-L-rhamnosidase of Aspergillus terreus immobilization in polyvinylalcohol hydrogel and its application in rutin derhamnosylation. *Biocatalysis and Biotransformation*, **2013**, 31, 329-334	2.5	14
138	Base-catalyzed oxidation of silybin and isosilybin into 2,3-dehydro derivatives. *Tetrahedron Letters*, **2013**, 54, 315-317	2	40
137	Enzymatic glycosylation of multivalent scaffolds. *Chemical Society Reviews*, **2013**, 42, 4774-97	58.5	56
136	Preparation of silybin and isosilybin sulfates by sulfotransferase from Desulfitobacterium hafniense. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 89, 24-27		20
135	A novel semisynthetic flavonoid 7-O-galloyltaxifolin upregulates heme oxygenase-1 in RAW264.7 cells via MAPK/Nrf2 pathway. *Journal of Medicinal Chemistry*, **2013**, 56, 856-66	8.3	41
134	Ionic liquids as cosolvents for glycosylation by sucrose phosphorylase: balancing acceptor solubility and enzyme stability. *Green Chemistry*, **2013**, 15, 1949	10	36
133	Enzymatic synthesis of new C-6-acylated derivatives of NAG-thiazoline and evaluation of their inhibitor activities towards fungal β-N-acetylhexosaminidase. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 87, 128-134		12
132	Effect of 3-O-Galloyl Substitution on the Electrochemical Oxidation of Quercetin and Silybin Galloyl Esters at Glassy Carbon Electrode. *Electroanalysis*, **2013**, 25, 1621-1627	3	11
131	Preparative Purification and Isolation of Pyranoanthocyanins from Red Wine and Evaluation of Their Antioxidant Activity. *Chromatographia*, **2013**, 76, 1107-1115	2.1	2
130	Anti-cancer efficacy of silybin derivatives -- a structure-activity relationship. *PLoS ONE*, **2013**, 8, e60074	3.7	47
129	Biotransformation of silybin and its congeners. *Current Drug Metabolism*, **2013**, 14, 1009-21	3.5	25
128	Preparatory production of quercetin-3-β-D-glucopyranoside using alkali-tolerant thermostable α-L-rhamnosidase from Aspergillus terreus. *Bioresource Technology*, **2012**, 115, 222-7	11	61
127	Recombinant α-L-rhamnosidase from Aspergillus terreus in selective trimming of rutin. *Process Biochemistry*, **2012**, 47, 828-835	4.8	41
126	Heterologous expression and characterization of an N-acetyl-β-D-hexosaminidase from Lactococcus lactis ssp. lactis IL1403. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 3275-81	5.7	13
125	Facile production of Aspergillus niger β-N-acetylgalactosaminidase in yeast. *Protein Expression and Purification*, **2012**, 81, 106-114	2	5

124	Sequencing, cloning and high-yield expression of a fungal β-N-acetylhexosaminidase in Pichia pastoris. *Protein Expression and Purification*, **2012**, 82, 212-7	2	22
123	Biotransformation of flavonols and taxifolin in hepatocyte in vitro systems as determined by liquid chromatography with various stationary phases and electrospray ionization-quadrupole time-of-flight mass spectrometry. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2012**, 899, 109-15	3.2	22
122	Enzymatic glycosylation of small molecules: challenging substrates require tailored catalysts. *Chemistry - A European Journal*, **2012**, 18, 10786-801	4.8	154
121	Chemo-enzymatic modification of poly-N-acetyllactosamine (LacNAc) oligomers and N,N-diacetyllactosamine (LacDiNAc) based on galactose oxidase treatment. *Beilstein Journal of Organic Chemistry*, **2012**, 8, 712-25	2.5	29
120	Facile synthesis of nitrophenyl 2-acetamido-2-deoxy-β-D-mannopyranosides from ManNAc-oxazoline. *Beilstein Journal of Organic Chemistry*, **2012**, 8, 428-32	2.5	3
119	Synthesis and antiangiogenic activity of new silybin galloyl esters. *Journal of Medicinal Chemistry*, **2011**, 54, 7397-407	8.3	28
118	Dendri-RAFTs: a second generation of cyclopeptide-based glycoclusters. *Organic and Biomolecular Chemistry*, **2011**, 9, 1948-59	3.9	38
117	Glycosidases in carbohydrate synthesis: when organic chemistry falls short. *Chimia*, **2011**, 65, 65-70	1.3	27
116	Enzymatic characterization and molecular modeling of an evolutionarily interesting fungal β-N-acetylhexosaminidase. *FEBS Journal*, **2011**, 278, 2469-84	5.7	30
115	Regioselective alcoholysis of silybin A and B acetates with lipases. *Journal of Molecular Catalysis B: Enzymatic*, **2011**, 71, 119-123		6
114	Electrochemical investigation of flavonolignans and study of their interactions with DNA in the presence of Cu(II). *Bioelectrochemistry*, **2011**, 82, 117-24	5.6	44
113	Biodegradation of tetrabromobisphenol A by oxidases in basidiomycetous fungi and estrogenic activity of the biotransformation products. *Bioresource Technology*, **2011**, 102, 9409-15	11	47
112	Narrow-bore core-shell particles and monolithic columns in the analysis of silybin diastereoisomers. *Journal of Separation Science*, **2011**, 34, 2206-13	3.4	9
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