Vladimr Kren

List of Publications by Citations

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	Silybin and silymarin--new and emerging applications in medicine. *Current Medicinal Chemistry*, **2007**, 14, 315-38	4.3	396
266	Glycosides in medicine: "The role of glycosidic residue in biological activity". *Current Medicinal Chemistry*, **2001**, 8, 1303-28	4.3	345
265	Silybin and silymarin - new effects and applications. *Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia*, **2005**, 149, 29-41	1.7	254
264	Isoquercitrin: pharmacology, toxicology, and metabolism. *Food and Chemical Toxicology*, **2014**, 68, 267-82	4.7	203
263	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
262	Enzymatic glycosylation of small molecules: challenging substrates require tailored catalysts. *Chemistry - A European Journal*, **2012**, 18, 10786-801	4.8	154
261	Glycosylation employing bio-systems: from enzymes to whole cells. *Chemical Society Reviews*, **1997**, 26, 463-473	58.5	149
260	Mechanism of the antioxidant action of silybin and 2,3-dehydrosilybin flavonolignans: a joint experimental and theoretical study. *Journal of Physical Chemistry A*, **2008**, 112, 1054-63	2.8	135
259	Glycosidases: a key to tailored carbohydrates. *Trends in Biotechnology*, **2009**, 27, 199-209	15.1	134
258	Sweet antibiotics - the role of glycosidic residues in antibiotic and antitumor activity and their randomization. *FEMS Microbiology Reviews*, **2008**, 32, 858-89	15.1	129
257	Oxidised derivatives of silybin and their antiradical and antioxidant activity. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 5677-87	3.4	127
256	N-acetylhexosaminidase: what in a name? *Biotechnology Advances*, **2010**, 28, 682-93	17.8	119
255	Biotransformations with nitrilases. *Current Opinion in Chemical Biology*, **2010**, 14, 130-7	9.7	101
254	Nitrile- and Amide-converting Microbial Enzymes: Stereo-, Regio- and Chemoselectivity. *Biocatalysis and Biotransformation*, **2002**, 20, 73-93	2.5	101
253	Silymarin: What is in the name...? An appeal for a change of editorial policy. *Hepatology*, **2000**, 32, 442-4	11.2	82
252	The silymarin composition and why does it matter???. *Food Research International*, **2017**, 100, 339-353	7	74
251	Silybin and silymarin--new effects and applications. *Biomedical Papers of the Medical Faculty of the University Palacký, Olomouc, Czechoslovakia*, **2005**, 149, 29-41	1.7	74

250	Effects of silymarin flavonolignans and synthetic silybin derivatives on estrogen and aryl hydrocarbon receptor activation. *Toxicology*, **2005**, 215, 80-9	4.4	66
249	Molecular mechanisms of silybin and 2,3-dehydrosilybin antiradical activity--role of individual hydroxyl groups. *Free Radical Biology and Medicine*, **2009**, 46, 745-58	7.8	63
248	Flavonolignan 2,3-dehydroderivatives: Preparation, antiradical and cytoprotective activity. *Free Radical Biology and Medicine*, **2016**, 90, 114-25	7.8	62
247	New derivatives of silybin and 2,3-dehydrosilybin and their cytotoxic and P-glycoprotein modulatory activity. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 3793-810	3.4	62
246	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
245	Chemo-enzymatic synthesis of poly-N-acetyllactosamine (poly-LacNAc) structures and their characterization for CGL2-galectin-mediated binding of ECM glycoproteins to biomaterial surfaces. *Glycoconjugate Journal*, **2009**, 26, 141-59	3	61
244	Bioavailability of silymarin flavonolignans: drug formulations and biotransformation. *Phytochemistry Reviews*, **2014**, 13, 1-18	7.7	60
243	A Multienzyme System for a One-Pot Synthesis of Sialyl T-Antigen. *Angewandte Chemie International Edition in English*, **1995**, 34, 893-895		59
242	Enzymatic glycosylation of multivalent scaffolds. *Chemical Society Reviews*, **2013**, 42, 4774-97	58.5	56
241	Antioxidant properties of silybin glycosides. *Phytotherapy Research*, **2002**, 16 Suppl 1, S33-9	6.7	56
240	Generation of an alpha-L-rhamnosidase library and its application for the selective derhamnosylation of natural products. *Biotechnology and Bioengineering*, **2004**, 87, 763-71	4.9	54
239	Purification and characterization of the enantioselective nitrile hydratase from Rhodococcus equi A4. *Applied Microbiology and Biotechnology*, **2001**, 55, 150-6	5.7	52
238	Glycosylation of silybin. *Journal of the Chemical Society Perkin Transactions 1*, **1997**, 2467-2474		51
237	Antioxidant and antiviral activities of silybin fatty acid conjugates. *European Journal of Medicinal Chemistry*, **2010**, 45, 1059-67	6.8	50
236	Galectin-Carbohydrate Interactions in Biomedicine and Biotechnology. *Trends in Biotechnology*, **2019**, 37, 402-415	15.1	50
235	Fungal nitrilases as biocatalysts: Recent developments. *Biotechnology Advances*, **2009**, 27, 661-670	17.8	48
234	Biodegradation of tetrabromobisphenol A by oxidases in basidiomycetous fungi and estrogenic activity of the biotransformation products. *Bioresource Technology*, **2011**, 102, 9409-15	11	47
233	Large-scale separation of silybin diastereoisomers using lipases. *Process Biochemistry*, **2010**, 45, 1657-1663	4.8	47

232	Anti-cancer efficacy of silybin derivatives -- a structure-activity relationship. *PLoS ONE*, **2013**, 8, e60074	3.7	47
231	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
230	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
229	Combinatorial One-Pot Synthesis of Poly-N-acetyllactosamine Oligosaccharides with Leloir-Glycosyltransferases. *Advanced Synthesis and Catalysis*, **2011**, 353, 2492-2500	5.6	43
228	Fungal beta-N-acetylhexosaminidases with high beta-N-acetylgalactosaminidase activity and their use for synthesis of beta-GalNAc-containing oligosaccharides. *Carbohydrate Research*, **2003**, 338, 1003-8	2.9	43
227	Recombinant α-rhamnosidase from Aspergillus terreus in selective trimming of rutin. *Process Biochemistry*, **2012**, 47, 828-835	4.8	41
226	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
225	Synthesis and biological activity of glycosyl-1H-1,2,3-triazoles. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 4263-5	2.9	41
224	Base-catalyzed oxidation of silybin and isosilybin into 2,3-dehydro derivatives. *Tetrahedron Letters*, **2013**, 54, 315-317	2	40
223	Enzymatic kinetic resolution of silybin diastereoisomers. *Journal of Natural Products*, **2010**, 73, 613-9	4.9	40
222	Glycosyl azides: novel substrate for enzymatic transglycosylations. *Tetrahedron Letters*, **2005**, 46, 8715-8718	2	39
221	Dendri-RAFTs: a second generation of cyclopeptide-based glycoclusters. *Organic and Biomolecular Chemistry*, **2011**, 9, 1948-59	3.9	38
220	Ionic liquids as cosolvents for glycosylation by sucrose phosphorylase: balancing acceptor solubility and enzyme stability. *Green Chemistry*, **2013**, 15, 1949	10	36
219	Biocatalyzed Generation of Molecular Diversity: Selective Modification of the Saponin Asiaticoside. *Advanced Synthesis and Catalysis*, **2005**, 347, 1168-1174	5.6	36
218	GlcNAc-terminated glycodendrimers form defined precipitates with the soluble dimeric receptor of rat natural killer cells, sNKR-P1A. *FEBS Letters*, **1998**, 426, 243-7	3.8	34
217	4-Deoxy-substrates for beta-N-acetylhexosaminidases: how to make use of their loose specificity. *Glycobiology*, **2010**, 20, 1002-9	5.8	33
216	Laccase-mediated dimerization of the flavonolignan silybin. *Journal of Molecular Catalysis B: Enzymatic*, **2008**, 50, 87-92		33
215	Immobilization of fungal nitrilase and bacterial amidase: two enzymes working in accord. *Biocatalysis and Biotransformation*, **2006**, 24, 414-418	2.5	33

214	Synthesis of chitooligomer-based glycoconjugates and their binding to the rat natural killer cell activation receptor NKR-P1. *Glycoconjugate Journal*, **2001**, 18, 817-26	3	33
213	Enzymatic Glycosylation of Phenolic Antioxidants: Phosphorylase-Mediated Synthesis and Characterization. *Journal of Agricultural and Food Chemistry*, **2015**, 63, 10131-9	5.7	32
212	Evidence for differences in regioselective and stereoselective glucuronidation of silybin diastereomers from milk thistle (Silybum marianum) by human UDP-glucuronosyltransferases. *Xenobiotica*, **2011**, 41, 743-51	2	32
211	N-acetyl-D-glucosamine substituted calix[4]arenes as stimulators of NK cell-mediated antitumor immune response. *Carbohydrate Research*, **2007**, 342, 1781-92	2.9	32
210	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
209	Synthesis of Derivatized Chitooligomers using Transglycosidases Engineered from the Fungal GH20 N-Acetylhexosaminidase. *Advanced Synthesis and Catalysis*, **2015**, 357, 1941-1950	5.6	31
208	Charged Hexosaminides as New Substrates for N-Acetylhexosaminidase-Catalyzed Synthesis of Immunomodulatory Disaccharides. *Advanced Synthesis and Catalysis*, **2011**, 353, 2409-2420	5.6	31
207	NKR-P1A protein, an activating receptor of rat natural killer cells, binds to the chitobiose core of uncompletely glycosylated N-linked glycans, and to linear chitooligomers. *Biochemical and Biophysical Research Communications*, **1997**, 238, 149-53	3.4	31
206	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
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	Enzymatic characterization and molecular modeling of an evolutionarily interesting fungal N-acetylhexosaminidase. *FEBS Journal*, **2011**, 278, 2469-84	5.7	30
203	Molecular characterization of binding of calcium and carbohydrates by an early activation antigen of lymphocytes CD69. *Biochemistry*, **2003**, 42, 9295-306	3.2	30
202	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
201	Combined Application of Galactose Oxidase and N-Acetylhexosaminidase in the Synthesis of Complex Immunoactive N-Acetyl-D-galactosaminides. *Advanced Synthesis and Catalysis*, **2005**, 347, 997-1006	5.6	29
200	Synthesis and antiangiogenic activity of new silybin galloyl esters. *Journal of Medicinal Chemistry*, **2011**, 54, 7397-407	8.3	28
199	Defying Multidrug Resistance! Modulation of Related Transporters by Flavonoids and Flavonolignans. *Journal of Agricultural and Food Chemistry*, **2020**, 68, 1763-1779	5.7	28
198	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
197	Glycosidases in carbohydrate synthesis: when organic chemistry falls short. *Chimia*, **2011**, 65, 65-70	1.3	27

196	Synthesis of LacdiNAc-terminated glycoconjugates by mutant galactosyltransferase--a way to new glycodrugs and materials. *Glycobiology*, **2009**, 19, 509-17	5.8	27
195	β-Galactosidases and their applications in biotransformations. *Biocatalysis and Biotransformation*, **2009**, 27, 79-89	2.5	27
194	Two-Step Enzymatic Synthesis of β-d-N-Acetylgalactosamine-(1-4)-d-N-acetylglucosamine (LacdiNAc) Chitooligomers for Deciphering Galectin Binding Behavior. *Advanced Synthesis and Catalysis*, **2017**, 359, 2101-2108	5.6	26
193	Silychristin: Skeletal Alterations and Biological Activities. *Journal of Natural Products*, **2016**, 79, 3086-3092	4.9	26
192	Chemoenzymatic synthesis of α-L-rhamnosides using recombinant α-L-rhamnosidase from Aspergillus terreus. *Bioresource Technology*, **2013**, 147, 640-644	11	26
191	Effect of p-Substitution of Aryl α-D-Mannosides on Inhibiting Mannose-Sensitive Adhesion of Escherichia coli β-Syntheses and Testing. *European Journal of Organic Chemistry*, **1998**, 1998, 1669-1674	3.2	25
190	Fluorescent labelled thiourea-bridged glycodendrons. *ChemBioChem*, **2004**, 5, 445-52	3.8	25
189	"Non-Taxifolin" Derived Flavonolignans: Phytochemistry and Biology. *Current Pharmaceutical Design*, **2015**, 21, 5489-500	3.3	25
188	Biotransformation of silybin and its congeners. *Current Drug Metabolism*, **2013**, 14, 1009-21	3.5	25
187	Flavonolignan 2,3-dehydrosilydianin activates Nrf2 and upregulates NAD(P)H:quinone oxidoreductase 1 in Hepa1c1c7 cells. *Fitoterapia*, **2017**, 119, 115-120	3.2	24
186	Redox properties of individual quercetin moieties. *Free Radical Biology and Medicine*, **2019**, 143, 240-251	7.8	24
185	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
184	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
183	Quercetin and its analogues: optical and acido-basic properties. *Physical Chemistry Chemical Physics*, **2017**, 19, 26870-26879	3.6	23
182	Chemo-enzymatic synthesis of LacdiNAc dimers of varying length as novel galectin ligands. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 101, 47-55		23
181	Glycosyl Azides – An Alternative Way to Disaccharides. *Advanced Synthesis and Catalysis*, **2007**, 349, 1514-1520	5.6	23
180	Screening and characterization of β-N-acetylhexosaminidases for the synthesis of nucleotide-activated disaccharides. *Enzyme and Microbial Technology*, **2004**, 34, 407-414	3.8	23
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178	Enzymatic oxidative dimerization of silymarin flavonolignans. *Journal of Molecular Catalysis B: Enzymatic*, **2014**, 109, 24-30		22
177	Sequencing, cloning and high-yield expression of a fungal □N-acetylhexosaminidase in Pichia pastoris. *Protein Expression and Purification*, **2012**, 82, 212-7	2	22
176	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
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174	Large propeptides of fungal beta-N-acetylhexosaminidases are novel enzyme regulators that must be intracellularly processed to control activity, dimerization, and secretion into the extracellular environment. *Biochemistry*, **2007**, 46, 2719-34	3.2	22
173	Structure of the dimeric N-glycosylated form of fungal beta-N-acetylhexosaminidase revealed by computer modeling, vibrational spectroscopy, and biochemical studies. *BMC Structural Biology*, **2007**, 7, 32	2.7	22
172	Enzymatic synthesis of iso-globotriose from partially protected lactose. *Tetrahedron Letters*, **1999**, 40, 9297-9299	2	22
171	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
170	Chemoenzymatic preparative separation of silybins A and B. *Journal of Molecular Catalysis B: Enzymatic*, **2009**, 61, 247-251		21
169	Dehydrosilybin attenuates the production of ROS in rat cardiomyocyte mitochondria with an uncoupler-like mechanism. *Journal of Bioenergetics and Biomembranes*, **2010**, 42, 499-509	3.7	21
168	Induction of extracellular glycosidases in filamentous fungi and their potential use in chemotaxonomy.. *Czech Mycology*, **1999**, 51, 71-87	1.6	21
167	The □Acetylhexosaminidase in the Synthesis of Bioactive Glycans: Protein and Reaction Engineering. *Molecules*, **2019**, 24,	4.8	20
166	Pharmacokinetics of pure silybin diastereoisomers and identification of their metabolites in rat plasma. *Journal of Functional Foods*, **2015**, 14, 570-580	5.1	20
165	Preparation of silybin and isosilybin sulfates by sulfotransferase from Desulfitobacterium hafniense. *Journal of Molecular Catalysis B: Enzymatic*, **2013**, 89, 24-27		20
164	Enzymatic synthesis of dimeric glycomimetic ligands of NK cell activation receptors. *Carbohydrate Research*, **2011**, 346, 1599-609	2.9	20
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162	Enzymatic synthesis of complex glycosaminotrioses and study of their molecular recognition by hevein domains. *Organic and Biomolecular Chemistry*, **2004**, 2, 1987-94	3.9	20
161	Preparation of Mannac Containing Chitooligomers By Isomerisation and their Binding to Nkr-P1 Protein. *Journal of Carbohydrate Chemistry*, **1998**, 17, 1351-1357	1.7	20

160	Potential of Mitochondria-Targeted Antioxidants to Prevent Oxidative Stress in Pancreatic -cells. *Oxidative Medicine and Cellular Longevity*, **2019**, 2019, 1826303	6.7	19
159	Chemo-enzymatic synthesis of silybin and 2,3-dehydrosilybin dimers. *Molecules*, **2014**, 19, 4115-34	4.8	19
158	Synthesis of sulfated glucosaminides for profiling substrate specificities of sulfatases and fungal beta-N-acetylhexosaminidases. *ChemBioChem*, **2009**, 10, 565-76	3.8	19
157	Glucosylation of silybin by plant cell cultures of Papaver somniferum var. setigerum. *Phytochemistry* , **1998**, 47, 217-220	4	19
156	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
155	A Sustainable One-Pot, Two-Enzyme Synthesis of Naturally Occurring Arylalkyl Glucosides. *ChemSusChem*, **2017**, 10, 2040-2045	8.3	18
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153	Computational study of □N-acetylhexosaminidase from Talaromyces flavus, a glycosidase with high substrate flexibility. *BMC Bioinformatics*, **2015**, 16, 28	3.6	18
152	Sulfated Metabolites of Flavonolignans and 2,3-Dehydroflavonolignans: Preparation and Properties. *International Journal of Molecular Sciences*, **2018**, 19,	6.3	18
151	□N-Acetylhexosaminidases-the wizards of glycosylation. *Applied Microbiology and Biotechnology*, **2019**, 103, 7869-7881	5.7	18
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149	beta-Glucosylation of chitooligomers by galactosyltransferase. *Carbohydrate Research*, **1997**, 305, 517-23	2.9	18
148	Enzymatic Discrimination of 2-Acetamido-2-deoxy-D-mannopyranose-Containing Disaccharides Using □N-Acetylhexosaminidases. *Advanced Synthesis and Catalysis*, **2003**, 345, 735-742	5.6	18
147	Prokaryotic and Eukaryotic Aryl Sulfotransferases: Sulfation of Quercetin and Its Derivatives. *ChemCatChem*, **2015**, 7, 3152-3162	5.2	17
146	Synthesis of multivalent glycoconjugates containing the immunoactive LELTE peptide: effect of glycosylation on cellular activation and natural killing by human peripheral blood mononuclear cells. *Journal of the American Chemical Society*, **2010**, 132, 6800-8	16.4	17
145	Enzymatic preparation of acylated derivatives of silybin in organic and ionic liquid media and evaluation of their antitumor proliferative activity. *Biocatalysis and Biotransformation*, **2009**, 27, 161-169	2.5	17
144	Carboxylated calixarenes bind strongly to CD69 and protect CD69(+) killer cells from suicidal cell death induced by tumor cell surface ligands. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 1434-40	3.4	17
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140	Upscale of recombinant -L-rhamnosidase production by Pichia pastoris Mut(S) strain. *Frontiers in Microbiology*, **2015**, 6, 1140	5.7	16
139	Enzymatic Synthesis of P-Nitrophenyl -Chitobioside. *Journal of Carbohydrate Chemistry*, **1999**, 18, 975-984	1.7	16
138	Ergot alkaloid glycosides with immunomodulatory activities. *Bioorganic and Medicinal Chemistry*, **1996**, 4, 869-76	3.4	16
137	Glycosylation of ergot alkaloids by free and immobilized cells of Claviceps purpurea. *Applied Microbiology and Biotechnology*, **1990**, 32, 645-650	5.7	16
136	(Anti)mutagenic and immunomodulatory properties of quercetin glycosides. *Journal of the Science of Food and Agriculture*, **2016**, 96, 1492-9	4.3	16
135	Selective -N-acetylhexosaminidase from Aspergillus versicolor-a tool for producing bioactive carbohydrates. *Applied Microbiology and Biotechnology*, **2019**, 103, 1737-1753	5.7	16
134	Antioxidant, Anti-Inflammatory, and Multidrug Resistance Modulation Activity of Silychristin Derivatives. *Antioxidants*, **2019**, 8,	7.1	15
133	Bioproduction of Quercetin and Rutinose Catalyzed by Rutinosidase: Novel Concept of "Solid State Biocatalysis". *International Journal of Molecular Sciences*, **2019**, 20,	6.3	15
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131	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
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129	Effects of N-acetyl-glucosamine-coated glycodendrimers as biological modulators in the B16F10 melanoma model in vivo. *International Journal of Oncology*, **2003**, 23, 285-96	1	15
128	Recombinant -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
127	Expression, characterization and homology modeling of a novel eukaryotic GH84 -N-acetylglucosaminidase from Penicillium chrysogenum. *Protein Expression and Purification*, **2014**, 95, 204-10	2	14
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125	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

124	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
123	Metabolism of flavonolignans in human hepatocytes. *Journal of Pharmaceutical and Biomedical Analysis*, **2018**, 152, 94-101	3.5	13
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120	Synthetic N-acetyl-D-glucosamine based fully branched tetrasaccharide, a mimetic of the endogenous ligand for CD69, activates CD69+ killer lymphocytes upon dimerization via a hydrophilic flexible linker. *Journal of Medicinal Chemistry*, **2010**, 53, 4050-65	8.3	13
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118	Multidrug Resistance Modulation Activity of Silybin Derivatives and Their Anti-inflammatory Potential. *Antioxidants*, **2020**, 9,	7.1	12
117	Synthesis and Antiradical Activity of Isoquercitrin Esters with Aromatic Acids and Their Homologues. *International Journal of Molecular Sciences*, **2017**, 18,	6.3	12
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