Tadao Yoshioka

List of Publications by Citations

27 papers	1,512 citations	12 h-index	28 g-index
28 ext. papers	1,584 ext. citations	3.5 avg, IF	3.75 L-index

#	Paper	IF	Citations
27	Specific removal of o-methoxybenzyl protection by DDQ oxidation.. *Tetrahedron Letters*, **1982**, 23, 885-888		547
26	On the selectivity of deprotection of benzyl, mpm (4-methoxybenzyl) and dmpm (3,4-dimethoxybenzyl) protecting groups for hydroxy functions. *Tetrahedron*, **1986**, 42, 3021-3028	2.4	450
25	Protection of hydroxy groups by intramolecular oxidative formation of methoxybenzylidene acetals with DDQ. *Tetrahedron Letters*, **1982**, 23, 889-892	2	161
24	DMPM (3,4-dimethoxybenzyl) protecting group for hydroxy function more readily removable than MPM (P-methoxybenzyl) protecting group by DDQ oxidation. *Tetrahedron Letters*, **1984**, 25, 5393-5396	2	67
23	Synthesis of Pimprinine and Related Oxazolylindole Alkaloids from N-Acyl Derivatives of Tryptamine and Tryptophan Methyl Ester by DDQ Oxidation. *Heterocycles*, **1979**, 12, 1457	0.8	55
22	Structure-activity relationships for degradation reaction of 1-beta-o-acyl glucuronides: kinetic description and prediction of intrinsic electrophilic reactivity under physiological conditions. *Chemical Research in Toxicology*, **2009**, 22, 158-72	4	36
21	Structure-activity relationships for the degradation reaction of 1-beta-O-acyl glucuronides. Part 3: Electronic and steric descriptors predicting the reactivity of aralkyl carboxylic acid 1-beta-O-acyl glucuronides. *Chemical Research in Toxicology*, **2009**, 22, 1998-2008	4	30
20	Synthesis of 1-beta-O-acyl glucuronides of diclofenac, mefenamic acid and (S)-naproxen by the chemo-selective enzymatic removal of protecting groups from the corresponding methyl acetyl derivatives. *Organic and Biomolecular Chemistry*, **2006**, 4, 3303-10	3.9	28
19	Structure-activity relationships for the degradation reaction of 1-beta-O-acyl glucuronides. Part 2: Electronic and steric descriptors predicting the reactivity of 1-beta-O-acyl glucuronides derived from benzoic acids. *Chemical Research in Toxicology*, **2009**, 22, 1559-69	4	24
18	An improved chemo-enzymatic synthesis of 1-beta-O-acyl glucuronides: highly chemoselective enzymatic removal of protecting groups from corresponding methyl acetyl derivatives. *Journal of Organic Chemistry*, **2007**, 72, 9541-9	4.2	20
17	N-arylhydroxamic acids: reaction of nitroso aromatics with .alpha.-oxo acids. *Journal of Organic Chemistry*, **1989**, 54, 4449-4453	4.2	16
16	Tetrachloroethylene oxide: hydrolytic products and reactions with phosphate and lysine. *Chemical Research in Toxicology*, **2002**, 15, 1096-105	4	15
15	Purification and characterization of guinea-pig liver microsomal deacetylase involved in the deacetylation of the O-glucoside of N-hydroxyacetanilide. *Biochemical Journal*, **1997**, 325 (Pt 1), 155-61	3.8	10
14	Complementary and synergistic roles in enzyme-catalyzed regioselective and complete hydrolytic deprotection of O-acetylated Ð-glucopyranosides of N-arylacetohydroxamic acids. *Journal of Organic Chemistry*, **2012**, 77, 1675-84	4.2	8
13	Glycosides of N-hydroxy-N-arylamine derivatives. Part 2. Convenient synthetic methods for N-glycosides of N-hydroxy-N-arylamines. *Journal of the Chemical Society Perkin Transactions 1*, **1985**, 1271		8
12	Microsomal oxidation of tribromoethylene and reactions of tribromoethylene oxide. *Chemical Research in Toxicology*, **2002**, 15, 1414-20	4	6
11	Glycosides of N-hydroxy-N-arylamine derivatives. Part 1. Synthesis and mutagenicity of O-glucosides of N-Hydroxy-N-arylamines and their acetohydroxamic acids. *Journal of the Chemical Society Perkin Transactions 1*, **1985**, 1261		6

10	Mutagenicity of N-arylacetohydroxamic acids and their O-glucosides derived from chlorinated 4-nitrobiphenyl ethers. *Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure*, **1986**, 170, 93-102		6
9	Characterization of chemo- and regioselectivity in enzyme-catalyzed consecutive hydrolytic deprotection of methyl acetyl derivatives of 1-□O-acyl glucuronides. *Journal of Molecular Catalysis B: Enzymatic*, **2011**, 69, 74-82		4
8	Synthesis of acetylated methyl (□d-glucopyranosid)uronates of N-aryl-N-hydroxyacetamides by the orthoester glycosylation method. *Carbohydrate Research*, **1985**, 143, 282-287	2.9	4
7	Enzymatic and mechanistic studies on the formation of N-phenylglycolohydroxamic acid from nitrosobenzene and pyruvate in spinach leaf homogenate. *Journal of Agricultural and Food Chemistry*, **2006**, 54, 590-6	5.7	3
6	Purification and characterization of an Aspergillus oryzae-produced carboxylesterase that catalyzes O-deacetylation of a fully acetylated O-glucoside of N-phenylacetohydroxamic acid. *FEBS Journal*, **1997**, 248, 58-62		2
5	Glycosides of N-hydroxy-N-arylamine derivatives. Part 3. Kinetic and mechanistic studies on the degradation reaction of O-glycosides of N-hydroxy-N-arylamines and their acetohydroxamic acids in acidic and alkaline media. *Journal of the Chemical Society Perkin Transactions II*, **1985**, 1377		2
4	Chemo-Enzymatic Synthesis, Structural and Stereochemical Characterization, and Intrinsic Degradation Kinetics of Diastereomers of 1-□Acyl Glucuronides Derived from Racemic 2-{4-[(2-Methylprop-2-en-1-yl)amino]phenyl}propanoic Acid. *ACS Omega*, **2018**, 3, 4932-4940	3.9	1
3	Structure-activity relationships in the deacetylation of O-glucosides of N-hydroxy-N-arylacylamides by mammalian liver microsomes. *Chemico-Biological Interactions*, **2001**, 137, 25-42	5	1
2	Formation of N-Arylacylhydroxamic Acids from Nitroso Aromatic Compounds in Isolated Spinach Leaf Cells. *Journal of Agricultural and Food Chemistry*, **1998**, 46, 606-610	5.7	1
1	Structure-activity relationship in the formation of N-arylacetohydroxamic acids from nitroso derivatives of chlorinated 4-nitrodiphenyl ether herbicides in boar spermatozoa. *Journal of Agricultural and Food Chemistry*, **1992**, 40, 2446-2452	5.7	1