

Tadao Yoshioka

List of Publications by Year in descending order

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28
papers

1,743
citations

759233

12
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

882
citing authors

#	ARTICLE	IF	CITATIONS
1	Specific removal of o-methoxybenzyl protection by DDQ oxidation.. Tetrahedron Letters, 1982, 23, 885-888.	1.4	627
2	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.	1.9	515
3	Protection of hydroxy groups by intramolecular oxidative formation of methoxybenzylidene acetals with DDQ. Tetrahedron Letters, 1982, 23, 889-892.	1.4	191
4	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.	1.4	91
5	Synthesis of Pimprinine and Related Oxazolyindole Alkaloids from N-Acyl Derivatives of Tryptamine and Tryptophan Methyl Ester by DDQ Oxidation. Heterocycles, 1979, 12, 1457.	0.7	61
6	Structure-Activity Relationships for Degradation Reaction of 1- β -O-Acyl Glucuronides: Kinetic Description and Prediction of Intrinsic Electrophilic Reactivity under Physiological Conditions. Chemical Research in Toxicology, 2009, 22, 158-172.	3.3	40
7	Structure-Activity Relationships for the Degradation Reaction of 1- β -O-Acyl Glucuronides. Part 3: Electronic and Steric Descriptors Predicting the Reactivity of Aralkyl Carboxylic Acid 1- β -O-Acyl Glucuronides. Chemical Research in Toxicology, 2009, 22, 1998-2008.	3.3	32
8	Synthesis of 1- β -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, 3303-3310.	2.8	30
9	Structure-Activity Relationships for the Degradation Reaction of 1- β -O-Acyl Glucuronides. Part 2: Electronic and Steric Descriptors Predicting the Reactivity of 1- β -O-Acyl Glucuronides Derived from Benzoic Acids. Chemical Research in Toxicology, 2009, 22, 1559-1569.	3.3	26
10	N-arylhydroxamic acids: reaction of nitroso aromatics with .alpha.-oxo acids. Journal of Organic Chemistry, 1989, 54, 4449-4453.	3.2	21
11	An Improved Chemo-Enzymatic Synthesis of 1- β -O-Acyl Glucuronides: Highly Chemoselective Enzymatic Removal of Protecting Groups from Corresponding Methyl Acetyl Derivatives. Journal of Organic Chemistry, 2007, 72, 9541-9549.	3.2	20
12	Tetrachloroethylene Oxide: Hydrolytic Products and Reactions with Phosphate and Lysine. Chemical Research in Toxicology, 2002, 15, 1096-1105.	3.3	17
13	Purification and characterization of guinea-pig liver microsomal deacetylase involved in the deacetylation of the O-glucoside of N-hydroxyacetanilide. Biochemical Journal, 1997, 325, 155-161.	3.7	11
14	Glycosides of N-hydroxy-N-arylamine derivatives. Part 2. Convenient synthetic methods for N-glycosides of N-hydroxy-N-arylamine derivatives. Journal of the Chemical Society Perkin Transactions 1, 1985, , 1271.	0.9	10
15	Complementary and Synergistic Roles in Enzyme-Catalyzed Regioselective and Complete Hydrolytic Deprotection of O-Acetylated β -D-Glucopyranosides of N-Arylacetoxyhydroxamic Acids. Journal of Organic Chemistry, 2012, 77, 1675-1684.	3.2	9
16	Glycosides of N-hydroxy-N-arylamine derivatives. Part 1. Synthesis and mutagenicity of O-glucosides of N-Hydroxy-N-arylamine derivatives and their acetohydroxamic acids. Journal of the Chemical Society Perkin Transactions 1, 1985, , 1261.	0.9	7
17	Mutagenicity of N-arylacetoxyhydroxamic 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.	1.2	6
18	Microsomal Oxidation of Tribromoethylene and Reactions of Tribromoethylene Oxide. Chemical Research in Toxicology, 2002, 15, 1414-1420.	3.3	6

#	ARTICLE	IF	CITATIONS
19	Synthesis of acetylated methyl (β -D-glucopyranosid)uronates of N-aryl-N-hydroxyacetamides by the orthoester glycosylation method. <i>Carbohydrate Research</i> , 1985, 143, 282-287.	2.3	5
20	Characterization of chemo- and regioselectivity in enzyme-catalyzed consecutive hydrolytic deprotection of methyl acetyl derivatives of 1- β -O-acyl glucuronides. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2011, 69, 74-82.	1.8	5
21	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. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1985, , 1377.	0.9	3
22	Purification and Characterization of an <i>Aspergillus Oryzae</i> -Produced Carboxylesterase that Catalyzes O-Deacetylation of a Fully Acetylated O-Glucoside of N-Phenylacetohydroxamic Acid. <i>FEBS Journal</i> , 1997, 248, 58-62.	0.2	3
23	Enzymatic and Mechanistic Studies on the Formation of N-Phenylglycolohydroxamic Acid from Nitrosobenzene and Pyruvate in Spinach Leaf Homogenate. <i>Journal of Agricultural and Food Chemistry</i> , 2006, 54, 590-596.	5.2	3
24	Structure-activity relationship in the formation of N-arylacetohydroxamic acids from nitroso derivatives of chlorinated 4-nitrodiphenyl ether herbicides in boar spermatozoa. <i>Journal of Agricultural and Food Chemistry</i> , 1992, 40, 2446-2452.	5.2	1
25	Formation of N-Arylacylhydroxamic Acids from Nitroso Aromatic Compounds in Isolated Spinach Leaf Cells. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 606-610.	5.2	1
26	Structure-activity relationships in the deacetylation of O-glucosides of N-hydroxy-N-arylacylamides by mammalian liver microsomes. <i>Chemico-Biological Interactions</i> , 2001, 137, 25-42.	4.0	1
27	Chemo-Enzymatic Synthesis, Structural and Stereochemical Characterization, and Intrinsic Degradation Kinetics of Diastereomers of 1- β -O- <i>l</i> -Acyl Glucuronides Derived from Racemic 2-[4-[(2-Methylprop-2-en-1-yl)amino]phenyl]propanoic Acid. <i>ACS Omega</i> , 2018, 3, 4932-4940.	3.5	1
28	Application of the DDQ Oxidation to the Synthesis of Oxidized Indole Alkaloids. <i>Heterocycles</i> , 1980, 14, 141.	0.7	0