

Tadao Yoshioka

List of Publications by Year in descending order

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28
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1,743
citations

858243

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976
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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Chemo-Enzymatic Synthesis, Structural and Stereochemical Characterization, and Intrinsic Degradation Kinetics of Diastereomers of 1- β -O-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. | 1.6 | 1 |
| 2 | Complementary and Synergistic Roles in Enzyme-Catalyzed Regioselective and Complete Hydrolytic Deprotection of β -Acetylated β -D-Glucopyranosides of N-Arylacetoxyhydroxamic Acids. <i>Journal of Organic Chemistry</i> , 2012, 77, 1675-1684. | 1.7 | 9 |
| 3 | 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 |
| 4 | Structure-Activity Relationships for Degradation Reaction of 1- β -O-Acyl Glucuronides: Kinetic Description and Prediction of Intrinsic Electrophilic Reactivity under Physiological Conditions. <i>Chemical Research in Toxicology</i> , 2009, 22, 158-172. | 1.7 | 40 |
| 5 | 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. <i>Chemical Research in Toxicology</i> , 2009, 22, 1559-1569. | 1.7 | 26 |
| 6 | 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. <i>Chemical Research in Toxicology</i> , 2009, 22, 1998-2008. | 1.7 | 32 |
| 7 | An Improved Chemo-Enzymatic Synthesis of 1- β -O-Acyl Glucuronides: Highly Chemoselective Enzymatic Removal of Protecting Groups from Corresponding Methyl Acetyl Derivatives. <i>Journal of Organic Chemistry</i> , 2007, 72, 9541-9549. | 1.7 | 20 |
| 8 | 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. | 2.4 | 3 |
| 9 | 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. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3303-3310. | 1.5 | 30 |
| 10 | Microsomal Oxidation of Tribromoethylene and Reactions of Tribromoethylene Oxide. <i>Chemical Research in Toxicology</i> , 2002, 15, 1414-1420. | 1.7 | 6 |
| 11 | Tetrachloroethylene Oxide: Hydrolytic Products and Reactions with Phosphate and Lysine. <i>Chemical Research in Toxicology</i> , 2002, 15, 1096-1105. | 1.7 | 17 |
| 12 | 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. | 1.7 | 1 |
| 13 | Formation of N-Arylacetylhydroxamic Acids from Nitroso Aromatic Compounds in Isolated Spinach Leaf Cells. <i>Journal of Agricultural and Food Chemistry</i> , 1998, 46, 606-610. | 2.4 | 1 |
| 14 | Purification and characterization of guinea-pig liver microsomal deacetylase involved in the deacetylation of the O-glucoside of N-hydroxyacetanilide. <i>Biochemical Journal</i> , 1997, 325, 155-161. | 1.7 | 11 |
| 15 | Purification and Characterization of an <i>Aspergillus Oryzae</i> -Produced Carboxylesterase that Catalyzes O-Deacetylation of a Fully Acetylated O-Glucoside of N-Phenylacetoxyhydroxamic Acid. <i>FEBS Journal</i> , 1997, 248, 58-62. | 0.2 | 3 |
| 16 | Structure-activity relationship in the formation of N-arylacetoxyhydroxamic 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. | 2.4 | 1 |
| 17 | N-arylhydroxamic acids: reaction of nitroso aromatics with α -oxo acids. <i>Journal of Organic Chemistry</i> , 1989, 54, 4449-4453. | 1.7 | 21 |
| 18 | Mutagenicity of N-arylacetoxyhydroxamic acids and their O-glucosides derived from chlorinated 4-nitrodiphenyl ethers. <i>Mutation Research - Genetic Toxicology Testing and Biomonitoring of Environmental Or Occupational Exposure</i> , 1986, 170, 93-102. | 1.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | On the selectivity of deprotection of benzyl, mpm (4-methoxybenzyl) and dmpm (3,4-dimethoxybenzyl) protecting groups for hydroxy functions. <i>Tetrahedron</i> , 1986, 42, 3021-3028. | 1.0 | 515 |
| 20 | 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. | 1.1 | 5 |
| 21 | Glycosides of N-hydroxy-N-arylamine derivatives. Part 2. Convenient synthetic methods for N-glycosides of N-hydroxy-N-arylamines. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1985, , 1271. | 0.9 | 10 |
| 22 | 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 |
| 23 | Glycosides of N-hydroxy-N-arylamine derivatives. Part 1. Synthesis and mutagenicity of O-glycosides of N-Hydroxy-N-arylamines and their acetohydroxamic acids. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1985, , 1261. | 0.9 | 7 |
| 24 | DMPM (3,4-dimethoxybenzyl) protecting group for hydroxy function more readily removable than MPM (P-methoxybenzyl) protecting group by DDQ oxidation. <i>Tetrahedron Letters</i> , 1984, 25, 5393-5396. | 0.7 | 91 |
| 25 | Specific removal of o-methoxybenzyl protection by DDQ oxidation.. <i>Tetrahedron Letters</i> , 1982, 23, 885-888. | 0.7 | 627 |
| 26 | Protection of hydroxy groups by intramolecular oxidative formation of methoxybenzylidene acetals with DDQ. <i>Tetrahedron Letters</i> , 1982, 23, 889-892. | 0.7 | 191 |
| 27 | Application of the DDQ Oxidation to the Synthesis of Oxidized Indole Alkaloids. <i>Heterocycles</i> , 1980, 14, 141. | 0.4 | 0 |
| 28 | Synthesis of Pimprinine and Related Oxazolyindole Alkaloids from N-Acyl Derivatives of Tryptamine and Tryptophan Methyl Ester by DDQ Oxidation. <i>Heterocycles</i> , 1979, 12, 1457. | 0.4 | 61 |