# Je Won Park

List of Publications by Year
in descending order



| 50 | 1,221 | 394421 | 377865 |
|---|---|---|---|
| papers | citations | 19 h-index | 34 g-index |

| 51 | 51 | 51 | 1276 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Glycosylation of semi-synthetic isoflavene phenoxodiol with a recombinant glycosyltransferase from Micromonospora echinospora ATCC 27932. Journal of Microbiology and Biotechnology, 2022, 32, 1-10. | 2.1 | 1 |
| 2 | Microbial Enzymatic Synthesis of Amikacin Analogs With Antibacterial Activity Against Multidrug-Resistant Pathogens. Frontiers in Microbiology, 2021, 12, 725916. | 3.5 | 3 |
| 3 | Minor components of aminoglycosides: recent advances in their biosynthesis and therapeutic potential. Natural Product Reports, 2020, 37, 301-311. | 10.3 | 17 |
| 4 | Development of 6â€²-N-Acylated Isepamicin Analogs with Improved Antibacterial Activity against Isepamicin-Resistant Pathogens. Biomolecules, 2020, 10, 893. | 4.0 | 4 |
| 5 | Recent advances in the discovery and combinatorial biosynthesis of microbial 14-membered macrolides and macrolactones. Journal of Industrial Microbiology and Biotechnology, 2019, 46, 445-458. | 3.0 | 6 |
| 6 | Complete reconstitution of the diverse pathways of gentamicin B biosynthesis. Nature Chemical Biology, 2019, 15, 295-303. | 8.0 | 22 |
| 7 | In Vivo Characterization of Phosphotransferase-Encoding Genes istP and forP as Interchangeable Launchers of the C3ï¿½ï¿½,4ï¿½ï¿½-Dideoxygenation Biosynthetic Pathway of 1,4-Diaminocyclitol Antibiotics. Journal of Microbiology and Biotechnology, 2019, 29, 367-372. | 2.1 | 5 |
| 8 | Enhanced Biosynthesis of 2-Deoxy-scyllo-inosose in Metabolically Engineered Bacillus subtilis Recombinants. Frontiers in Microbiology, 2018, 9, 2333. | 3.5 | 4 |
| 9 | Biosynthetic pathways of aminoglycosides and their engineering. Current Opinion in Biotechnology, 2017, 48, 33-41. | 6.6 | 17 |
| 10 | Enabling techniques in the search for new antibiotics: Combinatorial biosynthesis of sugar-containing antibiotics. Biochemical Pharmacology, 2017, 134, 56-73. | 4.4 | 14 |
| 11 | Kinetic studies on recombinant UDP-glucose: sterol 3-O-Î²-glycosyltransferase from Micromonospora rhodorangea and its bioconversion potential. AMB Express, 2016, 6, 52. | 3.0 | 3 |
| 12 | Istamycin aminoglycosides profiling and their characterization in Streptomyces tenjimariensis ATCC 31603 culture using highâ€performance liquid chromatography with tandem mass spectrometry. Journal of Separation Science, 2016, 39, 4712-4722. | 2.5 | 6 |
| 13 | Characterization of fortimicin aminoglycoside profiles produced from Micromonospora olivasterospora DSM 43868 by high-performance liquid chromatography-electrospray ionization-ion trap-mass spectrometry. Analytical and Bioanalytical Chemistry, 2016, 408, 1667-1678. | 3.7 | 5 |
| 14 | Biochemical Characterization of Recombinant UDP-Glucose:Sterol 3-O-Glycosyltransferase from Micromonospora rhodorangea ATCC 31603 and Enzymatic Biosynthesis of Sterol-3-O-ï¿½ï¿½-Glucosides. Journal of Microbiology and Biotechnology, 2016, 26, 477-482. | 2.1 | 9 |
| 15 | Ultra-High Performance Liquid Chromatography with Electrospray Ionization Tandem Mass Spectrometry for the Determination of Caffeine in Energy Drinks. Analytical Letters, 2014, 47, 1852-1861. | 1.8 | 6 |
| 16 | Ultra-Performance Liquid Chromatography with Electrospray Ionization Tandem Mass Spectrometry for the Determination of Ketoconazole in Anti-Dandruff Shampoo. Analytical Letters, 2014, 47, 1465-1475. | 1.8 | 3 |
| 17 | Ultra-Performance Liquid Chromatography with Electrospray Ionization Mass Spectrometry for the Determination of Coenzyme Q<sub>10</sub>as an Anti-Aging Ingredient in Edible Cosmetics. Analytical Letters, 2014, 47, 367-376. | 1.8 | 3 |
| 18 | Structural characterization of cyclosporin A, C and microbial bio-transformed cyclosporin A analog AM6 using HPLCâ€“ESIâ€“ion trap-mass spectrometry. Talanta, 2014, 123, 89-94. | 5.5 | 7 |

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|---|---|---|---|
| 19 | Biotransformation of Rosamicin Antibiotic into 10,11-Dihydrorosamicin with Enhanced In Vitro Antibacterial Activity Against MRSA. Journal of Microbiology and Biotechnology, 2014, 24, 44-47. | 2.1 | 3 |
| 20 | Combinatorial biosynthesis and antibacterial evaluation of glycosylated derivatives of 12-membered macrolide antibiotic YC-17. Journal of Biotechnology, 2013, 168, 142-148. | 3.8 | 29 |
| 21 | Regio-selectively reduced streptogramin A analogue, 5,6-dihydrovirginiamycin M1 exhibits improved potency against MRSA. Letters in Applied Microbiology, 2013, 57, 393-398. | 2.2 | 3 |
| 22 | 2-Deoxystreptamine-containing aminoglycoside antibiotics: Recent advances in the characterization and manipulation of their biosynthetic pathways. Natural Product Reports, 2013, 30, 11-20. | 10.3 | 60 |
| 23 | Re-engineering of genetic circuit for 2-deoxystreptamine (2-DOS) biosynthesis in Escherichia coli BL21 (DE3). Biotechnology Letters, 2013, 35, 285-293. | 2.2 | 15 |
| 24 | Analysis of N-fatty acyl fumonisins in alkali-processed corn foods. Food Science and Biotechnology, 2013, 22, 147-152. | 2.6 | 15 |
| 25 | Heterologous Production of 4-O-Demethylbarbamide, a Marine Cyanobacterial Natural Product. Organic Letters, 2012, 14, 5824-5827. | 4.6 | 62 |
| 26 | Functional analysis of ABC transporter genes pdmR1 and pdmR2 in Actinomadura hibisca P-1752 and enhancement of pradimicin production. Biotechnology and Bioprocess Engineering, 2012, 17, 8-15. | 2.6 | 3 |
| 27 | Engineered biosynthesis of glycosylated derivatives of narbomycin and evaluation of their antibacterial activities. Applied Microbiology and Biotechnology, 2012, 93, 1147-1156. | 3.6 | 27 |
| 28 | Biosynthesis of the Allylmalonyl-CoA Extender Unit for the FK506 Polyketide Synthase Proceeds through a Dedicated Polyketide Synthase and Facilitates the Mutasynthesis of Analogues. Journal of the American Chemical Society, 2011, 133, 976-985. | 13.7 | 143 |
| 29 | Discovery of parallel pathways of kanamycin biosynthesis allows antibiotic manipulation. Nature Chemical Biology, 2011, 7, 843-852. | 8.0 | 77 |
| 30 | Microbial Transformation of Trichostatin A to 2,3-Dihydrotrichostatin A. Journal of Natural Products, 2011, 74, 1272-1274. | 3.0 | 6 |
| 31 | Generation of reduced macrolide analogs by regio-specific biotransformation. Journal of Antibiotics, 2011, 64, 155-157. | 2.0 | 6 |
| 32 | A combined approach of classical mutagenesis and rational metabolic engineering improves rapamycin biosynthesis and provides insights into methylmalonyl-CoA precursor supply pathway in Streptomyces hygroscopicus ATCC 29253. Applied Microbiology and Biotechnology, 2011, 91, 1389-1397. | 3.6 | 51 |
| 33 | Characterization and identification of pradimicin analogs from Actinomadura hibisca using liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography A, 2011, 1218, 2284-2291. | 3.7 | 3 |
| 34 | Development of a Streptomyces venezuelae-Based Combinatorial Biosynthetic System for the Production of Glycosylated Derivatives of Doxorubicin and Its Biosynthetic Intermediates. Applied and Environmental Microbiology, 2011, 77, 4912-4923. | 3.1 | 56 |
| 35 | Metabolic engineering of Streptomyces venezuelae for malonyl-CoA biosynthesis to enhance heterologous production of polyketides. Biotechnology Letters, 2010, 32, 277-282. | 2.2 | 25 |
| 36 | The nebramycin aminoglycoside profiles of Streptomyces tenebrarius and their characterization using an integrated liquid chromatography-electrospray ionization-tandem mass spectrometric analysis. Analytica Chimica Acta, 2010, 661, 76-84. | 5.4 | 12 |

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|---|---|---|---|
| 37 | Heterologous production of ribostamycin derivatives in engineered Escherichia coli. Research in Microbiology, 2010, 161, 526-533. | 2.1 | 6 |
| 38 | Enhanced FK506 production in Streptomyces clavuligerus CKD1119 by engineering the supply of methylmalonyl-CoA precursor. Journal of Industrial Microbiology and Biotechnology, 2009, 36, 1473-1482. | 3.0 | 72 |
| 39 | Engineering of plant-specific phenylpropanoids biosynthesis in Streptomyces venezuelae. Journal of Biotechnology, 2009, 141, 181-188. | 3.8 | 74 |
| 40 | Liquid chromatographyâ€“mass spectrometry characterization of FK506 biosynthetic intermediates in Streptomyces clavuligerus KCTC 10561BP. Analytical Biochemistry, 2009, 393, 1-7. | 2.4 | 17 |
| 41 | Heterologous production of epothilones B and D in Streptomyces venezuelae. Applied Microbiology and Biotechnology, 2008, 81, 109-117. | 3.6 | 35 |
| 42 | Exploiting the natural metabolic diversity of Streptomyces venezuelae to generate unusual reduced macrolides. Chemical Communications, 2008, , 5782. | 4.1 | 11 |
| 43 | Combinatorial biosynthesis of 5-O-desosaminyl erythronolide A as a potent precursor of ketolide antibiotics. Journal of Biotechnology, 2008, 135, 92-96. | 3.8 | 11 |
| 44 | Genetic dissection of the biosynthetic route to gentamicin A<sub>2</sub>by heterologous expression of its minimal gene set. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 8399-8404. | 7.1 | 55 |
| 45 | Enhanced Heterologous Production of Desosaminyl Macrolides and Their Hydroxylated Derivatives by Overexpression of the pikD Regulatory Gene in Streptomyces venezuelae. Applied and Environmental Microbiology, 2008, 74, 1972-1979. | 3.1 | 23 |
| 46 | Analytical Profiling of Biosynthetic Intermediates Involved in the Gentamicin Pathway ofMicromonospora echinosporaby High-Performance Liquid Chromatography Using Electrospray Ionization Mass Spectrometric Detection. Analytical Chemistry, 2007, 79, 4860-4869. | 6.5 | 27 |
| 47 | Analysis of intracellular short organic acid-coenzyme A esters from actinomycetes using liquid chromatography-electrospray ionization-mass spectrometry. Journal of Mass Spectrometry, 2007, 42, 1136-1147. | 1.6 | 61 |
| 48 | Heterologous expression of the kanamycin biosynthetic gene cluster (pSKC2) in Streptomyces venezuelae YJ003. Applied Microbiology and Biotechnology, 2007, 76, 1357-1364. | 3.6 | 24 |
| 49 | Bioconversion of 12-, 14-, and 16-membered ring aglycones to glycosylated macrolides in an engineered strain of Streptomyces venezuelae. Applied Microbiology and Biotechnology, 2007, 76, 1373-1381. | 3.6 | 35 |
| 50 | Neopikromycin and Novapikromycin from the Pikromycin Biosynthetic Pathway ofStreptomycesvenezuelae. Journal of Natural Products, 2006, 69, 847-849. | 3.0 | 38 |