

# Satoshi Takamatsu

## List of Publications by Year in descending order

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64  
papers

2,652  
citations

186209

28  
h-index

189801

50  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3104  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Marine Natural Products as Novel Antioxidant Prototypes. <i>Journal of Natural Products</i> , 2003, 66, 605-608.   | 1.5 | 228       |
| 2  | Schisandrene, a Dibenzocyclooctadiene Lignan from <i>Schisandrachinensis</i> : A Structure~Antioxidant Activity Relationships of Dibenzocyclooctadiene Lignans. <i>Journal of Natural Products</i> , 2006, 69, 356-359.  | 1.5 | 161       |
| 3  | Avenolide, a <i>Streptomyces</i> hormone controlling antibiotic production in <i>Streptomyces avermitilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 16410-16415.   | 3.3 | 159       |
| 4  | A Gene Cluster for Biosynthesis of the Sesquiterpenoid Antibiotic Pentalenolactone in <i>Streptomyces avermitilis</i> . <i>Biochemistry</i> , 2006, 45, 6179-6186.   | 1.2 | 113       |
| 5  | Macrosphelide, a Novel Inhibitor of Cell-cell Adhesion Molecule. I. Taxonomy, Fermentation, Isolation and Biological Activities.. <i>Journal of Antibiotics</i> , 1995, 48, 1435-1439.   | 1.0 | 100       |
| 6  | Amperometric screen-printed algal biosensor with flow injection analysis system for detection of environmental toxic compounds. <i>Electrochimica Acta</i> , 2009, 54, 4933-4936.  | 2.6 | 89        |
| 7  | Relative and Absolute Stereochemistries and Total Synthesis of (+)-Macrosphelides A and B, Potent, Orally Bioavailable Inhibitors of Cell~Cell Adhesion. <i>Journal of the American Chemical Society</i> , 1997, 119, 10247-10248.   | 6.6 | 82        |
| 8  | Inhibitory Effects of Constituents from <i>Morus alba</i> var. <i>multicaulis</i> on Differentiation of 3T3-L1 Cells and Nitric Oxide Production in RAW264.7 Cells. <i>Molecules</i> , 2011, 16, 6010-6022.  | 1.7 | 80        |
| 9  | Toward better annotation in plant metabolomics: isolation and structure elucidation of 36 specialized metabolites from <i>Oryza sativa</i> (rice) by using MS/MS and NMR analyses. <i>Metabolomics</i> , 2014, 10, 543-555.  | 1.4 | 76        |
| 10 | Biologically Active Secondary Metabolites from <i>Ginkgo biloba</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2002, 50, 3150-3155.   | 2.4 | 74        |
| 11 | Macrosphelide, a Novel Inhibitor of Cell-cell Adhesion Molecule. II. Physicochemical Properties and Structural Elucidation.. <i>Journal of Antibiotics</i> , 1996, 49, 95-98.  | 1.0 | 71        |
| 12 | Madindoline, a Novel Inhibitor of IL-6 Activity from <i>Streptomyces</i> sp. K93-0711. I. Taxonomy, Fermentation, Isolation and Biological Activities.. <i>Journal of Antibiotics</i> , 1996, 49, 1091-1095.   | 1.0 | 70        |
| 13 | Antiparasitic Alkaloids from <i>Psychotria klugii</i> . <i>Journal of Natural Products</i> , 2003, 66, 962-967.  | 1.5 | 67        |
| 14 | Antimalarial, Cytotoxic, and Antifungal Alkaloids from <i>Duguetia hadrantha</i> . <i>Journal of Natural Products</i> , 2001, 64, 559-562.   | 1.5 | 66        |
| 15 | Characterization of a silent sesquiterpenoid biosynthetic pathway in <i>Streptomyces avermitilis</i> controlling <i>epi</i> -sozizaene albaflavenone biosynthesis and isolation of a new oxidized <i>epi</i> -sozizaene metabolite. <i>Microbial Biotechnology</i> , 2011, 4, 184-191. | 2.0 | 64        |
| 16 | Antioxidant lignans from <i>Larrea tridentata</i> . <i>Phytochemistry</i> , 2004, 65, 2499-2505.   | 1.4 | 63        |
| 17 | Genome Mining in <i>Streptomyces avermitilis</i> : A Biochemical Baeyer~Villiger Reaction and Discovery of a New Branch of the Pentalenolactone Family Tree. <i>Biochemistry</i> , 2009, 48, 6431-6440.  | 1.2 | 60        |
| 18 | Regio- and Stereospecificity of Filipin Hydroxylation Sites Revealed by Crystal Structures of Cytochrome P450 105P1 and 105D6 from <i>Streptomyces avermitilis</i> . <i>Journal of Biological Chemistry</i> , 2010, 285, 16844-16853.  | 1.6 | 56        |

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|----|--|-----|-----------|
| 19 | Antioxidant effect of flavonoids on DCF production in HL-60 cells. <i>Phytotherapy Research</i> , 2003, 17, 963-966.   | 2.8 | 52        |
| 20 | A New Antimalarial Quassinoid from <i>Simaba orinocensis</i> . <i>Journal of Natural Products</i> , 2004, 67, 772-777.   | 1.5 | 50        |
| 21 | Macrosphelides C and D, Novel Inhibitors of Cell Adhesion.. <i>Journal of Antibiotics</i> , 1997, 50, 878-880.   | 1.0 | 44        |
| 22 | Madindolines, Novel Inhibitors of IL-6 Activity from <i>Streptomyces</i> sp. K93-0711. II. Physico-chemical Properties and Structural Elucidation.. <i>Journal of Antibiotics</i> , 1997, 50, 1069-1072.   | 1.0 | 42        |
| 23 | Pentalenic acid is a shunt metabolite in the biosynthesis of the pentalenolactone family of metabolites: hydroxylation of 1-deoxypentalenic acid mediated by CYP105D7 (SAV_7469) of <i>Streptomyces avermitilis</i> . <i>Journal of Antibiotics</i> , 2011, 64, 65-71. | 1.0 | 38        |
| 24 | New Cell-cell Adhesion Inhibitors from <i>Streptomyces</i> sp. UMA-044. <i>Journal of Antibiotics</i> , 2003, 56, 673-681.   | 1.0 | 33        |
| 25 | Secondary Metabolites from Marine Cyanobacteria and Algae Inhibit LFA-1/ICAM-1 Mediated Cell Adhesion. <i>Planta Medica</i> , 2004, 70, 127-131.   | 0.7 | 33        |
| 26 | A Novel Testosterone 5.ALPHA.-Reductase Inhibitor, 8',9'-Dehydroascochlorin Produced by <i>Verticillium</i> sp. FO-2787.. <i>Chemical and Pharmaceutical Bulletin</i> , 1994, 42, 953-956.   | 0.6 | 31        |
| 27 | Cytotoxic sesquiterpene lactones from <i>Centaurothamnus maximus</i> and <i>Vicoa pentanema</i> . <i>Phytotherapy Research</i> , 2003, 17, 168-173.  | 2.8 | 31        |
| 28 | Acyltransferases for lupin alkaloids in <i>Lupinus hirsutus</i> . <i>Phytochemistry</i> , 1992, 32, 87-91.   | 1.4 | 27        |
| 29 | Lupin alkaloids from the seeds of <i>Thermopsis lupinoides</i> . <i>Phytochemistry</i> , 1988, 27, 3715-3716.  | 1.4 | 26        |
| 30 | Absolute configuration of (+)-5,6-dehydrolupanine, a key intermediate in biosynthesis of lupin alkaloids. <i>Phytochemistry</i> , 1989, 28, 958-959.   | 1.4 | 26        |
| 31 | Greening induced production of (+)-lupanine in tissue culture of <i>Thermopsis lupinoides</i> . <i>Phytochemistry</i> , 1989, 28, 2341-2344.   | 1.4 | 26        |
| 32 | Lupin alkaloids in tissue culture of <i>Sophora flavescens</i> var. <i>angustifolia</i> : Greening induced production of matrine.. <i>Chemical and Pharmaceutical Bulletin</i> , 1989, 37, 3001-3004.  | 0.6 | 26        |
| 33 | New inhibitors of melanogenesis, OH-3984 K1 and K2. I. Taxonomy, fermentation, isolation and biological characteristics.. <i>Journal of Antibiotics</i> , 1993, 46, 1520-1525.   | 1.0 | 26        |
| 34 | Total synthesis and absolute configuration of avenolide, extracellular factor in <i>Streptomyces avermitilis</i> . <i>Journal of Antibiotics</i> , 2011, 64, 781-787.  | 1.0 | 24        |
| 35 | Lupin alkaloids from <i>Sophora exigua</i> . <i>Phytochemistry</i> , 1991, 30, 3793-3795.  | 1.4 | 22        |
| 36 | A New Dehydrogeranylgeraniol Antioxidant from <i>Saururus cernuus</i> that Inhibits Intracellular Reactive Oxygen Species (ROS)-Catalyzed Oxidation within HL-60 Cells. <i>Journal of Natural Products</i> , 2001, 64, 693-695.  | 1.5 | 22        |

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|----|---|-----|-----------|
| 37 | Isolation of Lignans and Biological Activity Studies of <i>Ephedra viridis</i> . <i>Planta Medica</i> , 2005, 71, 789-791.  | 0.7 | 22        |
| 38 | Cytotoxic and antioxidant activities of alkylated benzoquinones from <i>Maesa lanceolata</i> . <i>Phytotherapy Research</i> , 2003, 17, 887-891.  | 2.8 | 20        |
| 39 | Nocardamin Production by <i>Streptomyces avermitilis</i> . <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 2009, 23, 34-39.   | 0.3 | 19        |
| 40 | Metabolome Analysis of <i>Oryza sativa</i> (Rice) Using Liquid Chromatography-Mass Spectrometry for Characterizing Organ Specificity of Flavonoids with Anti-inflammatory and Anti-oxidant Activity. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 952-956. | 0.6 | 19        |
| 41 | Isolation of a New Alkaloid (-)-O-Acetylbaptifoline and the Absolute Stereochemical Relationships of Lupine Alkaloids in <i>Thermopsis chinensis</i> . <i>Journal of Natural Products</i> , 1989, 52, 1032-1035.  | 1.5 | 18        |
| 42 | Chlovalicin, a New Cytocidal Antibiotic Produced by <i>Sporothrix</i> sp. FO-4649. II. Physicochemical Properties and Structural Elucidation.. <i>Journal of Antibiotics</i> , 1996, 49, 635-638.   | 1.0 | 18        |
| 43 | Glycosidic alkaloids from <i>Lupinus hirsutus</i> . <i>Phytochemistry</i> , 1990, 29, 3923-3926.  | 1.4 | 17        |
| 44 | New Lupine Alkaloids from the Seedlings of <i>Lupinus hirsutus</i> and Change of Alkaloid Pattern with Germination. <i>Journal of Natural Products</i> , 1991, 54, 477-482.   | 1.5 | 17        |
| 45 | Louisianins A, B, C and D: Non-steroidal Growth Inhibitors of Testosterone-responsive SC 115 Cells. I. Taxonomy, Fermentation, Isolation and Biological Characteristics.. <i>Journal of Antibiotics</i> , 1995, 48, 1086-1089.  | 1.0 | 17        |
| 46 | Louisianins A, B, C and D: Non-steroidal Growth Inhibitors of Testosterone-responsive SC 115 Cells. II. Physico-chemical Properties and Structural Elucidation.. <i>Journal of Antibiotics</i> , 1995, 48, 1090-1094.   | 1.0 | 15        |
| 47 | Chlovalicin, a New Cytocidal Antibiotic Produced by <i>Sporothrix</i> sp. FO-4649. I Taxonomy, Fermentation, Isolation and Biological Activities.. <i>Journal of Antibiotics</i> , 1996, 49, 631-634.   | 1.0 | 15        |
| 48 | Efficient Chemical Conversion of Louisianin A to C and D, The Inhibitor of Angiogenesis.. <i>Journal of Antibiotics</i> , 1997, 50, 274-275.  | 1.0 | 13        |
| 49 | Amphistin, a New Melanogenesis Inhibitor, Produced by an Actinomycete.. <i>Journal of Antibiotics</i> , 1997, 50, 808-814.  | 1.0 | 13        |
| 50 | Naturally occurring cell adhesion inhibitors. <i>Journal of Natural Medicines</i> , 2018, 72, 817-835.  | 1.1 | 13        |
| 51 | Characterization of <i>Mycotypha</i> Metabolites Found to be Inhibitors of Cell Adhesion Molecules.. <i>Journal of Antibiotics</i> , 2002, 55, 585-592.   | 1.0 | 12        |
| 52 | Relative and absolute stereochemistry of the melanogenesis inhibitors OH-3984 K1 and K2. Partial synthesis from albocycline. <i>Tetrahedron Letters</i> , 1994, 35, 2635-2636.  | 0.7 | 10        |
| 53 | A glycosidic lupin alkaloid from <i>Lupinus hirsutus</i> . <i>Phytochemistry</i> , 1994, 37, 591-592.   | 1.4 | 10        |
| 54 | Screening for Free Radical Scavenging and Cell Aggregation Inhibitory Activities by Secondary Metabolites from Turkish <i>Verbascum</i> species. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2007, 62, 673-678.                        | 0.6 | 10        |

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| 55 | New inhibitors of melanogenesis, OH-3984 K1 and K2. II. Physico-chemical properties and structural elucidation.. Journal of Antibiotics, 1993, 46, 1526-1529.                   | 1.0 | 8         |
| 56 | Pyridindolols K1 and K2, New Alkaloids from Streptomyces sp. K93-0711.. Journal of Antibiotics, 1997, 50, 189-193.  | 1.0 | 7         |
| 57 | Effects of the herbal medicine composition "Saiko-ka-ryukotsu-borei-To" on the function of endothelial progenitor cells in hypertensive rats. Phytomedicine, 2013, 20, 196-201. | 2.3 | 7         |
| 58 | A New Inhibitor of Melanogenesis, Albocycline K3, Produced by Streptomyces sp. OH-3984.. Journal of Antibiotics, 1996, 49, 485-486.   | 1.0 | 6         |
| 59 | Constituents of Zanthoxylum Flavum and their Antioxidant and Antimalarial Activities. Natural Product Communications, 2008, 3, 1934578X0800300.                                 | 0.2 | 6         |
| 60 | COX-2 Inhibitory Activity of Cafestol and Analogs from Coffee Beans. Natural Product Communications, 2008, 3, 1934578X0800300.  | 0.2 | 2         |
| 61 | Screen-printed Algal Biosensor with Flow Injection Analysis System for Toxicity Test. ECS Transactions, 2008, 16, 21-25.  | 0.3 | 2         |
| 62 | Research of macrosphelide, a novel inhibitor of cell-cell adhesion molecule, from microbial organisms in soil. Folia Pharmacologica Japonica, 1995, 106, 143-146.               | 0.1 | 0         |
| 63 | Autoimmunity as the Consequence of a Spontaneous Mutation in Rasgrp1. Immunity, 2012, 36, 886.  | 6.6 | 0         |
| 64 | Effect of intraoral antioxidative capacity in orengedokuto. Traditional & Kampo Medicine, 2020, 7, 30-37.   | 0.2 | 0         |