# Takeo Usui

## List of Publications by Year in descending order



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|---|---|---|---|
| 91 papers | 2,743 citations | 136885 32 h-index | 197736 49 g-index |
| 92 all docs | 92 docs citations | 92 times ranked | 3033 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | High-throughput platform for yeast morphological profiling predicts the targets of bioactive compounds. Npj Systems Biology and Applications, 2022, 8, 3. | 1.4 | 5 |
| 2 | Development of Gatastatin G2, a Î³-Tubulin-specific Inhibitor. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2022, 80, 563-573. | 0.0 | 0 |
| 3 | A novel translation inhibitor, mersicarpine, inhibits S-phase progression and induces apoptosis in HL60 cells. Bioscience, Biotechnology and Biochemistry, 2021, 85, 92-96. | 0.6 | 6 |
| 4 | Mutational Biosynthesis of Hitachimycin Analogs Controlled by the Î²-Amino Acidâ€“Selective Adenylation Enzyme HitB. ACS Chemical Biology, 2021, 16, 539-547. | 1.6 | 7 |
| 5 | Structural Revision of Natural Cyclic Depsipeptide MA026 Established by Total Synthesis and Biosynthetic Gene Cluster Analysis. Angewandte Chemie - International Edition, 2021, 60, 8792-8797. | 7.2 | 5 |
| 6 | Structural Revision of Natural Cyclic Depsipeptide MA026 Established by Total Synthesis and Biosynthetic Gene Cluster Analysis. Angewandte Chemie, 2021, 133, 8874-8879. | 1.6 | 0 |
| 7 | Traminines A and B, produced by Fusarium concentricum, inhibit oxidative phosphorylation in Saccharomyces cerevisiae mitochondria. Journal of Industrial Microbiology and Biotechnology, 2021, 48, . | 1.4 | 4 |
| 8 | Structure Optimization of Gatastatin for the Development of Î³-Tubulin-Specific Inhibitor. ACS Medicinal Chemistry Letters, 2020, 11, 1125-1129. | 1.3 | 5 |
| 9 | Dual Inhibition of Î³-Tubulin and Plk1 Induces Mitotic Cell Death. Frontiers in Pharmacology, 2020, 11, 620185. | 1.6 | 4 |
| 10 | Non-electrophilic TRPA1 agonists, menthol, carvacrol and clotrimazole, open epithelial tight junctions via TRPA1 activation. Journal of Biochemistry, 2020, 168, 407-415. | 0.9 | 13 |
| 11 | Pyrenocine A induces monopolar spindle formation and suppresses proliferation of cancer cells. Bioorganic and Medicinal Chemistry, 2019, 27, 115149. | 1.4 | 8 |
| 12 | Fusaramin, an antimitochondrial compound produced by Fusarium sp., discovered using multidrug-sensitive Saccharomyces cerevisiae. Journal of Antibiotics, 2019, 72, 645-652. | 1.0 | 13 |
| 13 | Transient receptor potential V4 channel stimulation induces reversible epithelial cell permeability in <scp>MDCK</scp> cell monolayers. FEBS Letters, 2019, 593, 2250-2260. | 1.3 | 9 |
| 14 | Structureâ€“Activity Relationship Study of Gatastatin Based on the Topliss Tree Approach. Heterocycles, 2019, 99, 238. | 0.4 | 3 |
| 15 | TRPA1-dependent reversible opening of tight junction by natural compounds with an Î±,Î²-unsaturated moiety and capsaicin. Scientific Reports, 2018, 8, 2251. | 1.6 | 20 |
| 16 | Multidrug Sensitive Yeast Strains, Useful Tools for Chemical Genetics. , 2018, , . | | 1 |
| 17 | Pestiocandin, a new papulacandin class antibiotic isolated from Pestalotiopsis humus. Journal of Antibiotics, 2018, 71, 1031-1035. | 1.0 | 8 |
| 18 | Pestynol, an Antifungal Compound Discovered Using a Saccharomyces cerevisiae 12geneÎ”0HSR-iERG6-Based Assay. Journal of Natural Products, 2018, 81, 1604-1609. | 1.5 | 13 |

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|---|---|---|---|
| 19 | MA026, an anti-hepatitis C virus compound, opens tight junctions of the epithelial cell membrane. Journal of Antibiotics, 2017, 70, 691-694. | 1.0 | 6 |
| 20 | Structureâ€Activity Relationships of Terpendole E and Its Natural Derivatives.. ChemistrySelect, 2017, 2, 1533-1536. | 0.7 | 3 |
| 21 | Stimulation of microtubule-based transport by nucleation of microtubules on pigment granules. Molecular Biology of the Cell, 2017, 28, 1418-1425. | 0.9 | 0 |
| 22 | Structureâ€“Activity Relationship Study of Leucyl-3-epi-deoxynegamycin for Potent Premature Termination Codon Readthrough. ACS Medicinal Chemistry Letters, 2017, 8, 1060-1065. | 1.3 | 10 |
| 23 | Eudistomin C, an Antitumor and Antiviral Natural Product, Targets 40S Ribosome and Inhibits Protein Translation. ChemBioChem, 2016, 17, 1616-1620. | 1.3 | 13 |
| 24 | Bafilomycin analogue site-specifically fluorinated at the pharmacophore macrolactone ring has potent vacuolar-type ATPase inhibitory activity. Tetrahedron Letters, 2016, 57, 2426-2429. | 0.7 | 5 |
| 25 | Discovery of O6-benzyl glaziovianin A, a potent cytotoxic substance and a potent inhibitor of Î±,Î²-tubulin polymerization. Bioorganic and Medicinal Chemistry, 2016, 24, 5639-5645. | 1.4 | 10 |
| 26 | Tetrandrine induces lipid accumulation through blockade of autophagy in a hepatic stellate cell line. Biochemical and Biophysical Research Communications, 2016, 477, 40-46. | 1.0 | 20 |
| 27 | Synthesis and structureâ€“activity relationship study of FD-891: importance of the side chain and C8â€“C9 epoxide for cytotoxic activity against cancer cells. Journal of Antibiotics, 2016, 69, 287-293. | 1.0 | 9 |
| 28 | Vicenistatin induces early endosome-derived vacuole formation in mammalian cells. Bioscience, Biotechnology and Biochemistry, 2016, 80, 902-910. | 0.6 | 13 |
| 29 | Irciniastatin A Induces Potent and Sustained Activation of Extracellular Signal-Regulated Kinase and Thereby Promotes Ectodomain Shedding of Tumor Necrosis Factor Receptor 1 in Human Lung Carcinoma A549 Cells. Biological and Pharmaceutical Bulletin, 2015, 38, 941-946. | 0.6 | 8 |
| 30 | Total Synthesis and Biological Evaluation of Irciniastatin A (a.k.a. Psymberin) and Irciniastatin B. Journal of Organic Chemistry, 2015, 80, 12333-12350. | 1.7 | 22 |
| 31 | Irciniastatin A, a pederin-type translation inhibitor, promotes ectodomain shedding of cell-surface tumor necrosis factor receptor 1. Journal of Antibiotics, 2015, 68, 417-420. | 1.0 | 7 |
| 32 | Protective effects of Nitraria retusa extract and its constituent isorhamnetin against amyloid Î²-induced cytotoxicity and amyloid Î² aggregation. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1548-1551. | 0.6 | 17 |
| 33 | The Î³-tubulin-specific inhibitor gatastatin reveals temporal requirements of microtubule nucleation during the cell cycle. Nature Communications, 2015, 6, 8722. | 5.8 | 47 |
| 34 | Bafilomycin L, a new inhibitor of cholesteryl ester synthesis in mammalian cells, produced by marine-derived Streptomyces sp. OPMA00072. Journal of Antibiotics, 2015, 68, 126-132. | 1.0 | 10 |
| 35 | Construction of a genetic analysis-available multidrug sensitive yeast strain by disruption of the drug efflux system and conditional repression of the membrane barrier system. Journal of General and Applied Microbiology, 2014, 60, 160-162. | 0.4 | 9 |
| 36 | Discovery of Natural Products Possessing Selective Eukaryotic Readthrough Activity: 3â€epiâ€Deoxynegamycin and Its Leucine Adduct. ChemMedChem, 2014, 9, 2233-2237. | 1.6 | 18 |

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|---|---|---|---|
| 37 | Terpendole E and its Derivative Inhibit STLCâ€•and GSKâ€1â€Resistant Eg5. ChemBioChem, 2014, 15, 934-938. | 1.3 | 23 |
| 38 | Development of a New Benzophenoneâ€“Diketopiperazine-Type Potent Antimicrotubule Agent Possessing a 2-Pyridine Structure. ACS Medicinal Chemistry Letters, 2014, 5, 1094-1098. | 1.3 | 33 |
| 39 | Iejimalide C Is a Potent V-ATPase Inhibitor, and Induces Actin Disorganization. Biological and Pharmaceutical Bulletin, 2014, 37, 1944-1947. | 0.6 | 8 |
| 40 | Design and Synthesis of 24-Fluorinated Bafilomycin Analogue as an NMR Probe with Potent Inhibitory Activity to Vacuolar-type ATPase. Chemistry Letters, 2014, 43, 474-476. | 0.7 | 5 |
| 41 | Inhibition of Microtubule Assembly by a Complex of Actin and Antitumor Macrolide Aplyronine A. Journal of the American Chemical Society, 2013, 135, 18089-18095. | 6.6 | 54 |
| 42 | Glaziovianin A Prevents Endosome Maturation via Inhibiting Microtubule Dynamics. ACS Chemical Biology, 2013, 8, 884-889. | 1.6 | 18 |
| 43 | The Reversible Increase in Tight Junction Permeability Induced by Capsaicin Is Mediated via Cofilin-Actin Cytoskeletal Dynamics and Decreased Level of Occludin. PLoS ONE, 2013, 8, e79954. | 1.1 | 51 |
| 44 | Synthesis and structureâ€“activity relationships of benzophenone-bearing diketopiperazine-type anti-microtubule agents. Bioorganic and Medicinal Chemistry, 2012, 20, 4279-4289. | 1.4 | 40 |
| 45 | Design, synthesis, and biological evaluation of the analogues of glaziovianin A, a potent antitumor isoflavone. Bioorganic and Medicinal Chemistry, 2012, 20, 5745-5756. | 1.4 | 20 |
| 46 | Synthesis and Structureâ€“Activity Relationship Study of Antimicrotubule Agents Phenylahistin Derivatives with a Didehydropiperazine-2,5-dione Structure. Journal of Medicinal Chemistry, 2012, 55, 1056-1071. | 2.9 | 88 |
| 47 | Microarray-based target identification using drug hypersensitive fission yeast expressing ORFeome. Molecular BioSystems, 2011, 7, 1463. | 2.9 | 21 |
| 48 | Construction of Multidrug-Sensitive Yeast with High Sporulation Efficiency. Bioscience, Biotechnology and Biochemistry, 2011, 75, 1588-1593. | 0.6 | 24 |
| 49 | Application of Proteomic Profiling Based on 2D-DIGE for Classification of Compounds According to the Mechanism of Action. Chemistry and Biology, 2010, 17, 460-470. | 6.2 | 82 |
| 50 | Structureâ€“activity relationship study of glaziovianin A against cell cycle progression and spindle formation of HeLa S3 cells. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5402-5404. | 1.0 | 16 |
| 51 | Garbled messages and corrupted translations. Nature Chemical Biology, 2010, 6, 189-198. | 3.9 | 18 |
| 52 | Syntheses and Biological Evaluation of Irciniastatin A and the C1â^'C2 Alkyne Analogue. Organic Letters, 2010, 12, 1040-1043. | 2.4 | 52 |
| 53 | Irciniastatin A induces JNK activation that is involved in caspase-8-dependent apoptosis via the mitochondrial pathway. Toxicology Letters, 2010, 199, 341-346. | 0.4 | 32 |
| 54 | Identification of Cytochrome P450s Required for Fumitremorgin Biosynthesis in Aspergillus fumigatus. ChemBioChem, 2009, 10, 920-928. | 1.3 | 69 |

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|---|---|---|---|
| 55 | A cell-based screening to detect inhibitors of BRAF signaling pathway. Journal of Antibiotics, 2009, 62, 105-107. | 1.0 | 4 |
| 56 | The cytotoxic macrolide FD-891 induces caspase-8-dependent mitochondrial release of cytochrome c and subsequent apoptosis in human leukemia Jurkat cells. Journal of Antibiotics, 2009, 62, 507-512. | 1.0 | 8 |
| 57 | Synthesis and biological activities of reveromycin A and spirofungin A derivatives. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3756-3760. | 1.0 | 16 |
| 58 | Fungal Metabolite, Epoxyquinol B, Crosslinks Proteins by Epoxy-thiol Conjugation. Journal of Antibiotics, 2008, 61, 94-97. | 1.0 | 16 |
| 59 | Effect of Dehydroaltenusin-C12 Derivative, a Selective DNA Polymerase Î± Inhibitor, on DNA Replication in Cultured Cells. Molecules, 2008, 13, 2948-2961. | 1.7 | 11 |
| 60 | Actin- and Microtubule-Targeting Bioprobes: Their Binding Sites and Inhibitory Mechanisms. Bioscience, Biotechnology and Biochemistry, 2007, 71, 300-308. | 0.6 | 17 |
| 61 | Glaziovianin A, a new isoflavone, from the leaves of Ateleia glazioviana and its cytotoxic activity against human cancer cells. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 3091-3094. | 1.0 | 34 |
| 62 | Antiproliferating activity of the mitotic inhibitor pironetin against vindesine- and paclitaxel-resistant human small cell lung cancer H69 cells. Anticancer Research, 2007, 27, 729-36. | 0.5 | 12 |
| 63 | Iejimalides Show Anti-Osteoclast ActivityviaV-ATPase Inhibition. Bioscience, Biotechnology and Biochemistry, 2006, 70, 1364-1370. | 0.6 | 41 |
| 64 | Phenothiazine and carbazole-related compounds inhibit mitotic kinesin Eg5 and trigger apoptosis in transformed culture cells. Toxicology Letters, 2006, 166, 44-52. | 0.4 | 18 |
| 65 | Identification of a strong binding site for kinesin on the microtubule using mutant analysis of tubulin. EMBO Journal, 2006, 25, 5932-5941. | 3.5 | 60 |
| 66 | Brasilicardin A, a Natural Immunosuppressant, Targets Amino Acid Transport System L. Chemistry and Biology, 2006, 13, 1153-1160. | 6.2 | 39 |
| 67 | The Anticancer Natural Product Pironetin Selectively Targets Lys352 of Î±-Tubulin. Chemistry and Biology, 2004, 11, 799-806. | 6.2 | 95 |
| 68 | Amphidinolide H, a Potent Cytotoxic Macrolide, Covalently Binds on Actin Subdomain 4 and Stabilizes Actin Filament. Chemistry and Biology, 2004, 11, 1269-1277. | 6.2 | 70 |
| 69 | Yeast Cdk1 translocates to the plus end of cytoplasmic microtubules to regulate bud cortex interactions. EMBO Journal, 2003, 22, 438-449. | 3.5 | 144 |
| 70 | The XMAP215 homologue Stu2 at yeast spindle pole bodies regulates microtubule dynamics and anchorage. EMBO Journal, 2003, 22, 4779-4793. | 3.5 | 71 |
| 71 | A Novel Action of Terpendole E on the Motor Activity of Mitotic Kinesin Eg5. Chemistry and Biology, 2003, 10, 131-137. | 6.2 | 105 |
| 72 | Nordihydroguaiaretic Acid, of a New Family of Microtubule-stabilizing Agents, Shows Effects Differentiated from Paclitaxel. Bioscience, Biotechnology and Biochemistry, 2003, 67, 151-157. | 0.6 | 9 |

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|---|---|---|---|
| 73 | Identification of Saccharomyces cerevisiae Isoleucyl-tRNA Synthetase as a Target of the G1-specific Inhibitor Reveromycin A. Journal of Biological Chemistry, 2002, 277, 28810-28814. | 1.6 | 67 |
| 74 | Bitungolides Aâ”F, New Polyketides from the Indonesian SpongeTheonellacf.swinhoei. Journal of Natural Products, 2002, 65, 1820-1823. | 1.5 | 48 |
| 75 | 4-Isoavenaciolide covalently binds and inhibits VHR, a dual-specificity phosphatase. FEBS Letters, 2002, 525, 48-52. | 1.3 | 41 |
| 76 | Chemical modification of reveromycin A and its biological activities. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3363-3366. | 1.0 | 28 |
| 77 | Asymmetric, stereocontrolled total synthesis of (+) and (â”)-spirotryprostatin B via a diastereoselective azomethine ylide [1,3]-dipolar cycloaddition reaction. Tetrahedron, 2002, 58, 6311-6322. | 1.0 | 90 |
| 78 | Isolation of New Protein Phosphatase Inhibitors from Two Cyanobacteria Species,Planktothrixspp.. Journal of Natural Products, 2001, 64, 1052-1055. | 1.5 | 82 |
| 79 | Synthesis of a Tetronic Acid Library Focused on Inhibitors of Tyrosine and Dual-Specificity Protein Phosphatases and Its Evaluation Regarding VHR and Cdc25B Inhibition. Journal of Medicinal Chemistry, 2001, 44, 3216-3222. | 2.9 | 85 |
| 80 | Regulating Microtubule Properties by Modifying their Organizing Minus Ends. Molecular Cell, 2001, 8, 931-932. | 4.5 | 4 |
| 81 | Design and synthesis of a dimeric derivative of RK-682 with increased inhibitory activity against VHR, a dual-specificity ERK phosphatase: implications for the molecular mechanism of the inhibition. Chemistry and Biology, 2001, 8, 1209-1220. | 6.2 | 44 |
| 82 | Synthesis of Pironetin and Related Analogs. Studies on Structure-Activity Relationships as Tubulin Assembly Inhibitors.. Journal of Antibiotics, 2000, 53, 540-545. | 1.0 | 39 |
| 83 | Synthesis and evaluation of microtubule assembly inhibition and cytotoxicity of prenylated derivatives of cyclo-l-Trp-l-Pro. Bioorganic and Medicinal Chemistry, 2000, 8, 2407-2415. | 1.4 | 48 |
| 84 | Synthesis and Evaluation of Tryprostatin B and Demethoxyfumitremorgin C Analogues. Journal of Medicinal Chemistry, 2000, 43, 1577-1585. | 2.9 | 58 |
| 85 | Cell cycle arrest and antitumor activity of pironetin and its derivatives. Cancer Letters, 1998, 126, 29-32. | 3.2 | 94 |
| 86 | Effects of Tryprostatin Derivatives on Microtubule Assembly In Vitro and In Situ.. Journal of Antibiotics, 1998, 51, 801-804. | 1.0 | 39 |
| 87 | Biochemical Differences between Staurosporine-Induced Apoptosis and Premature Mitosis. Experimental Cell Research, 1997, 232, 225-239. | 1.2 | 34 |
| 88 | A novel HSP70 gene of Schizosaccharomyces pombe that confers K-252a resistance. Gene, 1997, 189, 43-47. | 1.0 | 9 |
| 89 | Phosphatidylinositol-3 Kinase in Fission Yeast: A Possible Role in Stress Responses. Bioscience, Biotechnology and Biochemistry, 1995, 59, 678-682. | 0.6 | 23 |
| 90 | A K-252a-resistance gene, sksl+, encodes a protein similar to the caenorhabditis elegans F37A4.5 gene product and confers multidrug resistance in schizosaccharomyces pombe. Gene, 1995, 161, 93-96. | 1.0 | 11 |

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|---|---|---|---|
| 91 | Highly synchronous culture of fibroblasts from G2 block caused by staurosporine, a potent inhibitor of protein kinases. Experimental Cell Research, 1991, 192, 122-127. | 1.2 | 124 |