Hiroyuki Osada

List of Publications by Year
in descending order

375 papers	11,617 citations	22153 59 h-index	51608 86 g-index
390 all docs	390 docs citations	390 times ranked	12468 citing authors

#	Article	IF	Citations
1	Involvement of p38 Mitogen-activated Protein Kinase Signaling Pathway in Osteoclastogenesis Mediated by Receptor Activator of NF-Î°B Ligand (RANKL). Journal of Biological Chemistry, 2000, 275, 31155-31161.	3.4	482
2	Novel mammalian cell cycle inhibitors, spirotryprostatins A and B, produced by Aspergillus fumigatus, which inhibit mammalian cell cycle at G2/M phase. Tetrahedron, 1996, 52, 12651-12666.	1.9	478
3	Tryprostatin A, a specific and novel inhibitor of microtubule assembly. Biochemical Journal, 1998, 333, 543-548.	3.7	211
4	Novel Mammalian Cell Cycle Inhibitors, Tryprostatins A, B and Other Diketopiperazines Produced by Aspergillus fumigatus. I. Taxonomy, Fermentation, Isolation and Biological Properties.. Journal of Antibiotics, 1996, 49, 527-533.	2.0	187
5	Immobilization of Natural Products on Glass Slides by Using a Photoaffinity Reaction and the Detection of Proteinâ€“Small-Molecule Interactions. Angewandte Chemie - International Edition, 2003, 42, 5584-5587.	13.8	153
6	Novel mammalian cell cycle inhibitors, cyclotroprostatins Aâ€“D, produced by Aspergillus fumigatus, which inhibit mammalian cell cycle at G2/M phase. Tetrahedron, 1997, 53, 59-72.	1.9	145
7	Epolactaene, a Novel Neuritogenic Compound in Human Neuroblastoma Cells, Produced by a Marine Fungus.. Journal of Antibiotics, 1995, 48, 733-735.	2.0	140
8	Novel Mammalian Cell Cycle Inhibitors, Tryprostatins A, B and Other Diketopiperazines Produced by Aspergillus fumigatus. II. Physico-chemical Properties and Structures.. Journal of Antibiotics, 1996, 49, 534-540.	2.0	140
9	Azaspirene:â€‰ A Novel Angiogenesis Inhibitor Containing a 1-Oxa-7-azaspiro[4.4]non-2-ene-4,6-dione Skeleton Produced by the FungusNeosartoryasp.. Organic Letters, 2002, 4, 2845-2848.	4.6	128
10	The identification of an osteoclastogenesis inhibitor through the inhibition of glyoxalase I. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 11691-11696.	7.1	125
11	Mutations in the Plk gene lead to instability of Plk protein in human tumour cell lines. Nature Cell Biology, 2000, 2, 852-854.	10.3	122
12	Inhibition of bone and muscle metastases of lung cancer cells by a decrease in the number of monocytes/macrophages. Cancer Science, 2008, 99, 1595-1602.	3.9	116
13	SPR Imaging of Photo-Cross-Linked Small-Molecule Arrays on Gold. Analytical Chemistry, 2006, 78, 2226-2230.	6.5	111
14	Biosynthesis of the mycotoxin tenuazonic acid by a fungal NRPSâ€“PKS hybrid enzyme. Nature Communications, 2015, 6, 8758.	12.8	108
15	Photo-Cross-Linked Small-Molecule Affinity Matrix for Facilitating Forward and Reverse Chemical Genetics. Angewandte Chemie - International Edition, 2005, 44, 3559-3562.	13.8	107
16	A Novel Action of Terpendole E on the Motor Activity of Mitotic Kinesin Eg5. Chemistry and Biology, 2003, 10, 131-137.	6.0	105
17	The phosphorylation status and anti-apoptotic activity of Bcl-2 are regulated by ERK and protein phosphatase 2A on the mitochondria. FEBS Letters, 2004, 569, 249-255.	2.8	105
18	Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. Angewandte Chemie - International Edition, 2017, 56, 1740-1745.	13.8	103

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19	Deficiency in Chromosome Congression by the Inhibition of Plk1 Polo Box Domain-dependent Recognition. Journal of Biological Chemistry, 2009, 284, 2344-2353.	3.4	102
20	Reversal of breast cancer resistance protein-mediated drug resistance by tryprostatin A. International Journal of Cancer, 2003, 107, 721-728.	5.1	99
21	The Anticancer Natural Product Pironetin Selectively Targets Lys352 of Î±-Tubulin. Chemistry and Biology, 2004, 11, 799-806.	6.0	95
22	Cell cycle arrest and antitumor activity of pironetin and its derivatives. Cancer Letters, 1998, 126, 29-32.	7.2	94
23	Epolactaene binds human Hsp60 Cys442 resulting in the inhibition of chaperone activity. Biochemical Journal, 2005, 387, 835-840.	3.7	94
24	Toxic tau oligomer formation blocked by capping of cysteine residues with 1,2-dihydroxybenzene groups. Nature Communications, 2015, 6, 10216.	12.8	94
25	Epoxyquinol A, a Highly Functionalized Pentaketide Dimer with Antiangiogenic Activity Isolated from Fungal Metabolites. Journal of the American Chemical Society, 2002, 124, 3496-3497.	13.7	93
26	A small-molecule inhibitor shows that pirin regulates migration of melanoma cells. Nature Chemical Biology, 2010, 6, 667-673.	8.0	91
27	Neuritogenic Effect of Epolactaene Derivatives on Human Neuroblastoma Cells Which Lack High-Affinity Nerve Growth Factor Receptors. Journal of Medicinal Chemistry, 1997, 40, 391-394.	6.4	90
28	Morphobase, an Encyclopedic Cell Morphology Database, and Its Use for Drug Target Identification. Chemistry and Biology, 2012, 19, 1620-1630.	6.0	89
29	Proteomic profiling of small-molecule inhibitors reveals dispensability of MTH1 for cancer cell survival. Scientific Reports, 2016, 6, 26521.	3.3	87
30	RECK Negatively Regulates Matrix Metalloproteinase-9 Transcription. Cancer Research, 2009, 69, 1502-1508.	0.9	86
31	Fusarisetin A, an Acinar Morphogenesis Inhibitor from a Soil Fungus, Fusarium sp. FN080326. Journal of the American Chemical Society, 2011, 133, 6865-6867.	13.7	84
32	Vipirinin, a Coumarin-based HIV-1 Vpr Inhibitor, Interacts with a Hydrophobic Region of VPR. Journal of Biological Chemistry, 2011, 286, 14049-14056.	3.4	83
33	Inhibition of Hsp90 activates osteoclast c-Src signaling and promotes growth of prostate carcinoma cells in bone. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15541-15546.	7.1	82
34	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.	6.0	82
35	Reveromycin A biosynthesis uses RevG and RevJ for stereospecific spiroacetal formation. Nature Chemical Biology, 2011, 7, 461-468.	8.0	80
36	Discovery of a Small Molecule PDI Inhibitor That Inhibits Reduction of HIV-1 Envelope Glycoprotein gp120. ACS Chemical Biology, 2011, 6, 245-251.	3.4	80

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37	Spectomycin B1 as a Novel SUMOylation Inhibitor That Directly Binds to SUMO E2. ACS Chemical Biology, 2013, 8, 2635-2642.	3.4	80
38	Reveromycin a, a new antibiotic which inhibits the mitogenic activity of epidermal growth factor.. Journal of Antibiotics, 1991, 44, 259-261.	2.0	79
39	Reveromycin A, an agent for osteoporosis, inhibits bone resorption by inducing apoptosis specifically in osteoclasts. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4729-4734.	7.1	79
40	In vitro reconstruction of tetronate RK-682 biosynthesis. Nature Chemical Biology, 2010, 6, 99-101.	8.0	79
41	Functional annotation of chemical libraries across diverse biological processes. Nature Chemical Biology, 2017, 13, 982-993.	8.0	76
42	Target identification of small molecules based on chemical biology approaches. Molecular BioSystems, 2013, 9, 897.	2.9	74
43	Synthesis and structureâ€“activity relationship studies on tryprostatin A, an inhibitor of breast cancer resistance protein. Bioorganic and Medicinal Chemistry, 2008, 16, 4626-4651.	3.0	73
44	Cobtorin target analysis reveals that pectin functions in the deposition of cellulose microfibrils in parallel with cortical microtubules. Plant Journal, 2010, 64, 657-667.	5.7	73
45	Construction of a microbial natural product library for chemical biology studies. Current Opinion in Chemical Biology, 2012, 16, 101-108.	6.1	72
46	Selective Inhibition of the Bacterial Peptidoglycan Biosynthesis by the New Types of Liposidomycins.. Journal of Antibiotics, 1998, 51, 1099-1104.	2.0	71
47	Amphidinolide H, a Potent Cytotoxic Macrolide, Covalently Binds on Actin Subdomain 4 and Stabilizes Actin Filament. Chemistry and Biology, 2004, 11, 1269-1277.	6.0	70
48	Xanthohumol Impairs Autophagosome Maturation through Direct Inhibition of Valosin-Containing Protein. ACS Chemical Biology, 2012, 7, 892-900.	3.4	70
49	Identification of Cytochrome P450s Required for Fumitremorgin Biosynthesis in Aspergillus fumigatus. ChemBioChem, 2009, 10, 920-928.	2.6	69
50	Sulfonamides identified as plant immune-priming compounds in high-throughput chemical screening increase disease resistance in Arabidopsis thaliana. Frontiers in Plant Science, 2012, 3, 245.	3.6	68
51	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.	3.4	67
52	A new enzyme involved in the control of the stereochemistry in the decalin formation during equisetin biosynthesis. Biochemical and Biophysical Research Communications, 2015, 460, 210-215.	2.1	65
53	Biochemical Characterization of a Novel Indole Prenyltransferase from Streptomyces sp. SN-593. Journal of Bacteriology, 2010, 192, 2839-2851.	2.2	64
54	Discovery of novel antiviral agents directed against the influenza A virus nucleoprotein using photo-cross-linked chemical arrays. Biochemical and Biophysical Research Communications, 2010, 394, 721-727.	2.1	64

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55	Affinity-based target identification for bioactive small molecules. MedChemComm, 2014, 5, 277-287.	3.4	64
56	Rapid screening method for inhibitors of protein kinase C.. Journal of Antibiotics, 1988, 41, 925-931.	2.0	63
57	Enhancement and Selective Production of Phoslactomycin B, a Protein Phosphatase IIa Inhibitor, through Identification and Engineering of the Corresponding Biosynthetic Gene Cluster. Journal of Biological Chemistry, 2003, 278, 35552-35557.	3.4	63
58	Secretion of Heparanase Protein Is Regulated by Glycosylation in Human Tumor Cell Lines. Journal of Biological Chemistry, 2004, 279, 2697-2703.	3.4	62
59	Photo-Cross-Linked Small-Molecule Microarrays as Chemical Genomic Tools for Dissecting Proteinâ€“Ligand Interactions. Chemistry - an Asian Journal, 2006, 1, 789-797.	3.3	62
60	Heparanase as a molecular target of cancer chemotherapy. Cancer Science, 2004, 95, 553-558.	3.9	61
61	Terpendole E, a Kinesin Eg5 Inhibitor, Is a Key Biosynthetic Intermediate of Indole-Diterpenes in the Producing Fungus Chaunopycnis alba. Chemistry and Biology, 2012, 19, 1611-1619.	6.0	61
62	Reveromycins, new inhibitors of eukaryotic cell growth. III. Structures of reveromycins A, B, C and D.. Journal of Antibiotics, 1992, 45, 1420-1427.	2.0	59
63	Apoptosis induction via microtubule disassembly by an antitumour compound, pironetin. Biochemical Journal, 1999, 340, 411-416.	3.7	58
64	RECK-Mediated Suppression of Tumor Cell Invasion Is Regulated by Glycosylation in Human Tumor Cell Lines. Cancer Research, 2005, 65, 7455-7461.	0.9	58
65	Epoxyquinol B, a Fungal Metabolite with a Potent Antiangiogenic Activity.. Journal of Antibiotics, 2002, 55, 829-831.	2.0	55
66	Structureâ€“activity relationships of epolactaene derivatives: structural requirements for inhibition of Hsp60 chaperone activity. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 4425-4429.	2.2	55
67	Reveromycins, new inhibitors of eukaryotic cell growth. II. Biological activities.. Journal of Antibiotics, 1992, 45, 1414-1419.	2.0	53
68	Lucilactaene, a New Cell Cycle Inhibitor in p53-Transfected Cancer Cells, Produced by a Fusarium sp.. Journal of Antibiotics, 2001, 54, 850-854.	2.0	53
69	Cytotrienin A, a Novel Apoptosis Inducer in Human Leukemia HL-60 Cells.. Journal of Antibiotics, 1997, 50, 370-372.	2.0	51
70	Crystal structure of the predicted phospholipase LYPLAL1 reveals unexpected functional plasticity despite close relationship to acyl protein thioesterases. Journal of Lipid Research, 2012, 53, 43-50.	4.2	50
71	Control of the Stereochemical Course of [4+2] Cycloaddition during transâ€Decalin Formation by Fsa2â€Family Enzymes. Angewandte Chemie - International Edition, 2018, 57, 9754-9758.	13.8	49
72	Phoslactomycin targets cysteine-269 of the protein phosphatase 2A catalytic subunit in cells. FEBS Letters, 2005, 579, 2463-2468.	2.8	48

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73	Reveromycins, new inhibitors of eukaryotic cell growth. I. Producing organism, fermentation, isolation and physico-chemical properties.. Journal of Antibiotics, 1992, 45, 1409-1413.	2.0	47
74	Screening of cell cycle inhibitors from microbial metabolites by a bioassay using a mouse cdc2 mutant cell line, tsFT210. Bioorganic and Medicinal Chemistry, 1997, 5, 193-203.	3.0	47
75	Reveromycin A Inhibits Osteolytic Bone Metastasis of Small-Cell Lung Cancer Cells, SBC-5, through an Antiosteoclastic Activity. Clinical Cancer Research, 2005, 11, 8822-8828.	7.0	47
76	Involvement of Disulfide Bond Formation in the Activation of Heparanase. Cancer Research, 2007, 67, 7841-7849.	0.9	47
77	Identification of a Small-Molecule Inhibitor of DNA Topoisomerase II by Proteomic Profiling. Chemistry and Biology, 2011, 18, 743-751.	6.0	47
78	A new biological role of sangivamycin; Inhibition of protein kinases.. Journal of Antibiotics, 1989, 42, 102-106.	2.0	46
79	Phenotypic Identification of a Novel Autophagy Inhibitor Chemotype Targeting Lipid Kinase VPS34. Angewandte Chemie - International Edition, 2017, 56, 8153-8157.	13.8	45
80	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.	6.0	44
81	Induction of morphological change of human myeloid leukemia and activation of protein kinase C by a novel antibiotic, tautomycin.. Journal of Antibiotics, 1988, 41, 932-937.	2.0	42
82	A new inhibitor of protein kinase C, RK-286C (4'-demethylamino-4'-hydroxystaurosporine) I. Screening, taxonomy, fermentation and biological activity.. Journal of Antibiotics, 1990, 43, 163-167.	2.0	42
83	Introduction of New Tools for Chemical Biology Research on Microbial Metabolites. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1135-1140.	1.3	42
84	A new inhibitor of protein kinase C, RK-1409 (7-oxostaurosporine). I. Taxonomy and biological activity.. Journal of Antibiotics, 1992, 45, 189-194.	2.0	41
85	p62 Functions as a p38 MAP Kinase Regulator. Biochemical and Biophysical Research Communications, 2000, 269, 521-525.	2.1	41
86	Iejimalides Show Anti-Osteoclast ActivityviaV-ATPase Inhibition. Bioscience, Biotechnology and Biochemistry, 2006, 70, 1364-1370.	1.3	41
87	An overproduction of astellolides induced by genetic disruption of chromatin-remodeling factors in Aspergillus oryzae. Journal of Antibiotics, 2016, 69, 4-8.	2.0	41
88	Expression of heparanase in human tumor cell lines and human head and neck tumors. Cancer Letters, 2003, 193, 83-89.	7.2	40
89	Dephosphorylation of Bcl-2 by protein phosphatase 2A results in apoptosis resistance. Cancer Science, 2004, 95, 266-270.	3.9	40
90	Phosphorylation-Dependent Protein-Protein Interaction Modules As Potential Molecular Targets for Cancer Therapy. Current Drug Targets, 2012, 13, 1654-1658.	2.1	40

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91	A new inhibitor of protein kinase C, RK-286C (4'-demethylamino-4'-hydroxystaurosporine) II. Isolation, physico-chemical properties and structure.. Journal of Antibiotics, 1990, 43, 168-173.	2.0	39
92	Robust and Systematic Drug Screening Method Using Chemical Arrays and the Protein Library: Identification of Novel Inhibitors of Carbonic Anhydrase II. Bioscience, Biotechnology and Biochemistry, 2008, 72, 2739-2749.	1.3	39
93	Verticilactam, a New Macrolactam Isolated from a Microbial Metabolite Fraction Library. Organic Letters, 2010, 12, 4564-4567.	4.6	39
94	Methyl 3-((6-Methoxy-1,4-dihydroindeno[1,2-c]pyrazol-3-yl)amino)benzoate (GN39482) as a Tubulin Polymerization Inhibitor Identified by MorphoBase and ChemProteoBase Profiling Methods. Journal of Medicinal Chemistry, 2015, 58, 4230-4241.	6.4	38
95	New Types of Liposidomycins that Inhibit Bacterial Peptidoglycan Synthesis and are Produced by Streptomyces. II. Isolation and Structure Elucidation.. Journal of Antibiotics, 1998, 51, 647-654.	2.0	37
96	New Types of Liposidomycins that Inhibit Bacterial Peptidoglycan Synthesis and are Produced by Streptomyces. I. Producing Organism and Medium Components.. Journal of Antibiotics, 1998, 51, 640-646.	2.0	37
97	Osteoclastâ€targeting small molecules for the treatment of neoplastic bone metastases. Cancer Science, 2009, 100, 1999-2005.	3.9	37
98	p38 mitogen-activated protein kinase plays a key role in regulating MAPKAPK2 expression. Biochemical and Biophysical Research Communications, 2005, 337, 415-421.	2.1	36
99	Azaspirene, a fungal product, inhibits angiogenesis by blocking Rafâ€1 activation. Cancer Science, 2008, 99, 1853-1858.	3.9	36
100	Novel Heparan Sulfate Mimetic Compounds as Antitumor Agents. Chemistry and Biology, 2004, 11, 367-377.	6.0	35
101	Discovery of the novel autophagy inhibitor aumitin that targets mitochondrial complex I. Chemical Science, 2018, 9, 3014-3022.	7.4	34
102	A Novel Antiviral Target Structure Involved in the RNA Binding, Dimerization, and Nuclear Export Functions of the Influenza A Virus Nucleoprotein. PLoS Pathogens, 2015, 11, e1005062.	4.7	34
103	New Cyclic Lipopeptides of the Iturin Class Produced by Saltern-Derived Bacillus sp. KCB14S006. Marine Drugs, 2016, 14, 72.	4.6	33
104	Identification of a Small Compound Targeting PKM2-Regulated Signaling Using 2D Gel Electrophoresis-Based Proteome-wide CETSA. Cell Chemical Biology, 2020, 27, 186-196.e4.	5.2	33
105	Pyrrolizilactone, a new pyrrolizidinone metabolite produced by a fungus. Journal of Antibiotics, 2013, 66, 621-623.	2.0	32
106	Identification of a novel sesquiterpene biosynthetic machinery involved in astellolide biosynthesis. Scientific Reports, 2016, 6, 32865.	3.3	32
107	Distribution of photo-cross-linked products from 3-aryl-3-trifluoromethyldiazirines and alcohols. Tetrahedron, 2008, 64, 5692-5698.	1.9	31
108	Gene Disruption and Biochemical Characterization of Verruculogen Synthase of Aspergillus fumigatus. ChemBioChem, 2011, 12, 711-714.	2.6	31

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109	Structures and biological activities of azaphilones produced by Penicillium sp. KCB11A109 from a ginseng field. Phytochemistry, 2016, 122, 154-164.	2.9	31
110	Stereocomplementary Chemoenzymatic Pictetâ€“Spengler Reactions for Formation of Rare Azepino-indole Frameworks: Discovery of Antimalarial Compounds. ACS Catalysis, 2019, 9, 7443-7448.	11.2	31
111	Identification of a novel Vpr-binding compound that inhibits HIV-1 multiplication in macrophages by chemical array. Biochemical and Biophysical Research Communications, 2010, 403, 40-45.	2.1	30
112	Boronâ€Based Inhibitors of Acyl Protein Thioesterases 1 and 2. ChemBioChem, 2013, 14, 115-122.	2.6	30
113	RK-1355A and B, novel quinomycin derivatives isolated from a microbial metabolites fraction library based on NPPlot screening. Journal of Antibiotics, 2014, 67, 323-329.	2.0	30
114	Apoptosis induction via microtubule disassembly by an antitumour compound, pironetin. Biochemical Journal, 1999, 340, 411.	3.7	29
115	Determination by Asymmetric Total Synthesis of the Absolute Configuration of Lucilactaene, a Cell-Cycle Inhibitor in p53-Transfected Cancer Cells. Angewandte Chemie - International Edition, 2005, 44, 3110-3115.	13.8	29
116	Genetic Safeguard against Mycotoxin Cyclopiazonic Acid Production in Aspergillus oryzae. ChemBioChem, 2011, 12, 1376-1382.	2.6	29
117	Identification of small molecule inhibitors of p27^{Kip1} ubiquitination by highâ€throughput screening. Cancer Science, 2013, 104, 1461-1467.	3.9	29
118	Proteomic profiling reveals that collismycin A is an iron chelator. Scientific Reports, 2016, 6, 38385.	3.3	29
119	High-throughput screening identifies artesunate as selective inhibitor of cancer stemness: Involvement of mitochondrial metabolism. Biochemical and Biophysical Research Communications, 2016, 477, 737-742.	2.1	29
120	Biosynthesis and Structureâ€“Activity Relationship Studies of Okaramines That Target Insect Glutamate-Gated Chloride Channels. ACS Chemical Biology, 2018, 13, 561-566.	3.4	29
121	A new inhibitor of protein kinase C, RK-1409 (7-oxostaurosporine). II. Fermentation, isolation, physico-chemical properties and structure.. Journal of Antibiotics, 1992, 45, 195-198.	2.0	28
122	Chemical modification of reveromycin A and its biological activities. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3363-3366.	2.2	28
123	A Point Mutation inftmDBlocks the Fumitremorgin Biosynthetic Pathway inAspergillus fumigatusStrain Af293. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1061-1067.	1.3	28
124	Amino-group carrier-protein-mediated secondary metabolite biosynthesis in Streptomyces. Nature Chemical Biology, 2016, 12, 967-972.	8.0	28
125	Stachybotrysin, an Osteoclast Differentiation Inhibitor from the Marine-Derived Fungus Stachybotrys sp. KCB13F013. Journal of Natural Products, 2016, 79, 2703-2708.	3.0	28
126	Evolutionarily conserved BIL4 suppresses the degradation of brassinosteroid receptor BRI1 and regulates cell elongation. Scientific Reports, 2017, 7, 5739.	3.3	28

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127	Anti-allergy effect of mojabanchromanol isolated from Sargassum horneri in bone marrow-derived cultured mast cells. Algal Research, 2020, 48, 101898.	4.6	28
128	Cleavable Linker for Photo-Cross-Linked Small-Molecule Affinity Matrix. Bioconjugate Chemistry, 2010, 21, 182-186.	3.6	27
129	Furaquinocins I and J: novel polyketide isoprenoid hybrid compounds from Streptomyces reveromyceticus SN-593. Journal of Antibiotics, 2011, 64, 509-513.	2.0	27
130	Development of a Terpenoid-Production Platform in Streptomyces reveromyceticus SN-593. ACS Synthetic Biology, 2017, 6, 2339-2349.	3.8	27
131	ATM blocks tunicamycinâ€induced endoplasmic reticulum stress. FEBS Letters, 2009, 583, 903-908.	2.8	26
132	Identification of a Molecular Target of a Novel Fungal Metabolite, Pyrrolizilactone, by Phenotypic Profiling Systems. ChemBioChem, 2013, 14, 2456-2463.	2.6	26
133	Unantimycin A, a new neoantimycin analog isolated from a microbial metabolite fraction library. Journal of Antibiotics, 2016, 69, 456-458.	2.0	26
134	FPX is a Novel Chemical Inducer that Promotes Callus Formation and Shoot Regeneration in Plants. Plant and Cell Physiology, 2018, 59, 1555-1567.	3.1	26
135	Discovery and applications of nucleoside antibiotics beyond polyoxin. Journal of Antibiotics, 2019, 72, 855-864.	2.0	26
136	Biosynthesis of phoslactomycins: cyclohexanecarboxylic acid as the starter unit. Tetrahedron, 2003, 59, 7465-7471.	1.9	25
137	Haenamindole, an unusual diketopiperazine derivative from a marine-derived Penicillium sp. KCB12F005. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 5398-5401.	2.2	25
138	Epiblastin A Induces Reprogramming of Epiblast Stem Cells Into Embryonic Stem Cells by Inhibition of Casein Kinase 1. Cell Chemical Biology, 2016, 23, 494-507.	5.2	25
139	Small molecules that target phosphorylation dependent proteinâ€“protein interaction. Bioorganic and Medicinal Chemistry, 2016, 24, 3246-3254.	3.0	25
140	Structure-based design of a selective heparanase inhibitor as an antimetastatic agent. Molecular Cancer Therapeutics, 2004, 3, 1069-77.	4.1	25
141	Indomethacin Induction of Metamorphosis from the Asexual Stage to Sexual Stage in the Moon Jellyfish,Aurelia aurita. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1397-1400.	1.3	24
142	Affinity-based screening of MDM2/MDMXâ€“p53 interaction inhibitors by chemical array: Identification of novel peptidic inhibitors. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3802-3805.	2.2	24
143	Antiangiogenic Potential of Microbial Metabolite Elaiophylin for Targeting Tumor Angiogenesis. Molecules, 2018, 23, 563.	3.8	24
144	A new inhibitor of protein kinase C, RK-1409B (4'-demethylamino-4'-hydroxy-3'-epistaurosporine).. Journal of Antibiotics, 1992, 45, 1428-1432.	2.0	23

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145	RK-805, an endothelial-cell-growth inhibitor produced by Neosartorya sp., and a docking model with methionine aminopeptidase-2. Tetrahedron, 2004, 60, 7085-7091.	1.9	23
146	Cyclic lipopeptide antibiotics bind to the N-terminal domain of the prokaryotic Hsp90 to inhibit the chaperone activity. Biochemical Journal, 2011, 435, 237-246.	3.7	23
147	High-throughput Screening Identifies Small Molecule Inhibitors of Molecular Chaperones. Current Pharmaceutical Design, 2013, 19, 473-492.	1.9	23
148	Terpendole E and its Derivative Inhibit STLCâ€•and GSKâ€1â€Resistant Eg5. ChemBioChem, 2014, 15, 934-938.	2.6	23
149	Identification of a gene cluster for telomestatin biosynthesis and heterologous expression using a specific promoter in a clean host. Scientific Reports, 2017, 7, 3382.	3.3	23
150	[Special Issue: Fact Databases and Freewares] RIKEN Natural Products Encyclopedia (RIKEN NPEdia),a Chemical Database of RIKEN Natural Products Depository (RIKEN NPDepo). Journal of Computer Aided Chemistry, 2006, 7, 157-162.	0.3	23
151	Systematic isolation of microbial metabolites for natural products depository (NPDepo). Pure and Applied Chemistry, 2011, 84, 1407-1420.	1.9	22
152	Protuboxepin A, a marine fungal metabolite, inducing metaphase arrest and chromosomal misalignment in tumor cells. Bioorganic and Medicinal Chemistry, 2012, 20, 3799-3806.	3.0	22
153	Octaminomycins A and B, Cyclic Octadepsipeptides Active against Plasmodium falciparum. Journal of Natural Products, 2017, 80, 134-140.	3.0	22
154	Regulatory Mechanism of Mycotoxin Tenuazonic Acid Production in Pyricularia oryzae. ACS Chemical Biology, 2017, 12, 2270-2274.	3.4	22
155	Mechanism of Action of Prethioviridamide, an Anticancer Ribosomally Synthesized and Post-Translationally Modified Peptide with a Polythioamide Structure. ACS Chemical Biology, 2019, 14, 1819-1828.	3.4	22
156	Cucurbitacin B induces neurogenesis in PC12 cells and protects memory in APP/PS1 mice. Journal of Cellular and Molecular Medicine, 2019, 23, 6283-6294.	3.6	22
157	Mechanism of the natural product moracin-O derived MO-460 and its targeting protein hnRNPA2B1 on HIF-1Î± inhibition. Experimental and Molecular Medicine, 2019, 51, 1-14.	7.7	22
158	Construction and Application of a Photo-Cross-Linked Chemical Array. Methods in Molecular Biology, 2015, 1263, 29-41.	0.9	22
159	Peanut skin extract ameliorates the symptoms of type 2 diabetes mellitus in mice by alleviating inflammation and maintaining gut microbiota homeostasis. Aging, 2020, 12, 13991-14018.	3.1	22
160	Identification of a Small Molecule That Enhances Ferroptosis via Inhibition of Ferroptosis Suppressor Protein 1 (FSP1). ACS Chemical Biology, 2022, 17, 483-491.	3.4	22
161	RKS-1778, a New Mammalian Cell-Cycle Inhibitor and a Key Intermediate of the [11]Cytochalasin Group. Journal of Natural Products, 1997, 60, 669-672.	3.0	21
162	Epoxytwinol A, a novel unique angiogenesis inhibitor with C2 symmetry, produced by a fungus. Chemical Communications, 2005, , 2575.	4.1	21

#	Article	IF	Citations
163	Protein disulfide isomerase-mediated disulfide bonds regulate the gelatinolytic activity and secretion of matrix metalloproteinase-9. Experimental Cell Research, 2012, 318, 904-914.	2.6	21
164	Opposing roles for SNAP23 in secretion in exocrine and endocrine pancreatic cells. Journal of Cell Biology, 2016, 215, 121-138.	5.2	21
165	Pentaminomycins A and B, Hydroxyarginine-Containing Cyclic Pentapeptides from Streptomyces sp. RK88-1441. Journal of Natural Products, 2018, 81, 806-810.	3.0	21
166	Targeting fungal membrane homeostasis with imidazopyrazoindoles impairs azole resistance and biofilm formation. Nature Communications, 2022, 13, .	12.8	21
167	Morphology Reversion Activity of Phosmidosine and Phosmidosine B, a Newly Isolated Derivative, on src Transformed NRK Cells.. Journal of Antibiotics, 1996, 49, 361-365.	2.0	20
168	Exip, a splicing variant of p38Î±, participates in interleukin-1 receptor proximal complex and downregulates NF-Î°B pathway. FEBS Letters, 2004, 575, 136-140.	2.8	20
169	Improvement of Photoaffinity SPR Imaging Platform and Determination of the Binding Site of p62/SQSTM1 to p38 MAP Kinase. Chemistry - an Asian Journal, 2008, 3, 1607-1612.	3.3	20
170	A small molecule that induces reactive oxygen species via cellular glutathione depletion. Biochemical Journal, 2014, 463, 53-63.	3.7	20
171	Nocardamin Production by Streptomyces avermitilis. Nihon Hosenkin Gakkai Shi = Actinomycetologica, 2009, 23, 34-39.	0.3	19
172	KSRP/FUBP2 Is a Binding Protein of GO-Y086, a Cytotoxic Curcumin Analogue. ACS Medicinal Chemistry Letters, 2010, 1, 273-276.	2.8	19
173	Proteomics accelerating the identification of the target molecule of bioactive small molecules. Current Opinion in Chemical Biology, 2011, 15, 57-65.	6.1	19
174	Spirotoamides A and B, novel 6,6-spiroacetal polyketides isolated from a microbial metabolite fraction library. Journal of Antibiotics, 2012, 65, 123-128.	2.0	19
175	Identification of Middle Chain Fatty Acyl-CoA Ligase Responsible for the Biosynthesis of 2-Alkylmalonyl-CoAs for Polyketide Extender Unit. Journal of Biological Chemistry, 2015, 290, 26994-27011.	3.4	19
176	RK-95113, a New Angiogenesis Inhibitor Produced by Aspergillus fumigatus. Journal of Antibiotics, 2006, 59, 724-728.	2.0	18
177	Structure-Function Analyses of Cytochrome P450revI Involved in Reveromycin A Biosynthesis and Evaluation of the Biological Activity of Its Substrate, Reveromycin T. Journal of Biological Chemistry, 2014, 289, 32446-32458.	3.4	18
178	Reveromycin A Administration Prevents Alveolar Bone Loss in Osteoprotegerin Knockout Mice with Periodontal Disease. Scientific Reports, 2015, 5, 16510.	3.3	18
179	Screening of a virtual mirror-image library of natural products. Chemical Communications, 2016, 52, 7653-7656.	4.1	18
180	Integrated profiling methods for identifying the targets of bioactive compounds: MorphoBase and ChemProteoBase. Natural Product Reports, 2016, 33, 621-625.	10.3	18

#	Article	IF	Citations
181	Hitoyol A and B, Two Norsesquiterpenoids from the Basidiomycete Coprinopsis cinerea. Organic Letters, 2017, 19, 4030-4033.	4.6	18
182	Bioenergetic and proteomic profiling to screen small molecule inhibitors that target cancer metabolisms. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2019, 1867, 28-37.	2.3	18
183	Benzomalvin E, an indoleamine 2,3-dioxygenase inhibitor isolated from Penicillium sp. FN070315. Journal of Antibiotics, 2012, 65, 215-217.	2.0	17
184	Inhibition of CRM1-mediated nuclear export of influenza A nucleoprotein and nuclear export protein as a novel target for antiviral drug development. Virology, 2017, 507, 32-39.	2.4	17
185	Chemical array system, a platform to identify novel hepatitis B virus entry inhibitors targeting sodium taurocholate cotransporting polypeptide. Scientific Reports, 2018, 8, 2769.	3.3	17
186	Wakodecalines A and B, new decaline metabolites isolated from a fungus Pyrenochaetopsis sp. RK10-F058. Journal of Antibiotics, 2018, 71, 123-128.	2.0	17
187	Nocardamin glucuronide, a new member of the ferrioxamine siderophores isolated from the ascamycin-producing strain Streptomyces sp. 80H647. Journal of Antibiotics, 2019, 72, 991-995.	2.0	17
188	Unique features of the ketosynthase domain in a nonribosomal peptide synthetaseâ€“polyketide synthase hybrid enzyme, tenuazonic acid synthetase 1. Journal of Biological Chemistry, 2020, 295, 11602-11612.	3.4	17
189	Alantolactone is a natural product that potently inhibits YAP1/TAZ through promotion of reactive oxygen species accumulation. Cancer Science, 2021, 112, 4303-4316.	3.9	17
190	Mitochondrial complex I inhibitors suppress tumor growth through concomitant acidification of the intra- and extracellular environment. IScience, 2021, 24, 103497.	4.1	17
191	Synthesis and biological activities of reveromycin A and spirofungin A derivatives. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 3756-3760.	2.2	16
192	Discovery of novel selenium derivatives as Pin1 inhibitors by high-throughput screening. Biochemical and Biophysical Research Communications, 2016, 474, 528-533.	2.1	16
193	Synthesis of Grb2 SH2 Domain Proteins for Mirror-Image Screening Systems. Bioconjugate Chemistry, 2017, 28, 609-619.	3.6	16
194	Using BEAN-counter to quantify genetic interactions from multiplexed barcode sequencing experiments. Nature Protocols, 2019, 14, 415-440.	12.0	16
195	Oxicam-type non-steroidal anti-inflammatory drugs inhibit NPR1-mediated salicylic acid pathway. Nature Communications, 2021, 12, 7303.	12.8	16
196	Structureâ€“Affinity Relationship Study of Bleomycins and Shble Protein by Use of a Chemical Array. ChemBioChem, 2009, 10, 845-852.	2.6	15
197	Deamino-hydroxy-phoslactomycin B, a biosynthetic precursor of phoslactomycin, induces myeloid differentiation in HL-60 cells. Biochemical and Biophysical Research Communications, 2009, 383, 406-410.	2.1	15
198	Boseongazepines Aâ€“C, pyrrolobenzodiazepine derivatives from a Streptomyces sp. 11A057. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 1802-1804.	2.2	15

#	Article	IF	Citations
199	Chemical reversal of abnormalities in cells carrying mitochondrial DNA mutations. Nature Chemical Biology, 2021, 17, 335-343.	8.0	15
200	Glyoxalase I disruption and external carbonyl stress impair mitochondrial function in human induced pluripotent stem cells and derived neurons. Translational Psychiatry, 2021, 11, 275.	4.8	15
201	Biosynthesis and biological function of secondary metabolites of the rice blast fungus Pyricularia oryzae. Journal of Industrial Microbiology and Biotechnology, 2021, 48, .	3.0	15
202	Inhibition of indoleamine 2,3-dioxygenase by thielavin derivatives from a soil fungus, Coniochaeta sp. 10F058. Journal of Antibiotics, 2014, 67, 331-333.	2.0	14
203	Novel Abscisic Acid Antagonists Identified with Chemical Array Screening. ChemBioChem, 2015, 16, 2471-2478.	2.6	14
204	Mitochondrial uncoupler exerts a synthetic lethal effect against Î²â€catenin mutant tumor cells. Cancer Science, 2017, 108, 772-784.	3.9	14
205	Novel squalene-producing thraustochytrids found in mangrove water. Bioscience, Biotechnology and Biochemistry, 2017, 81, 2034-2037.	1.3	14
206	Opantimycin A, a new metabolite isolated from Streptomyces sp. RK88-1355. Journal of Antibiotics, 2017, 70, 222-225.	2.0	14
207	MOSAIC: a chemical-genetic interaction data repository and web resource for exploring chemical modes of action. Bioinformatics, 2018, 34, 1251-1252.	4.1	14
208	Structure Characterization and Action Mechanism of an Antiaging New Compound from Gastrodia elata Blume. Oxidative Medicine and Cellular Longevity, 2019, 2019, 1-10.	4.0	14
209	Î²-carboline chemical signals induce reveromycin production through a LuxR family regulator in Streptomyces sp. SN-593. Scientific Reports, 2020, 10, 10230.	3.3	14
210	Requirement of the conserved, hydrophobic C-terminus region for the activation of heparanase. Experimental Cell Research, 2008, 314, 2834-2845.	2.6	13
211	Exploring the chemical space of microbial natural products. Current Opinion in Chemical Biology, 2009, 13, 133-134.	6.1	13
212	Inhibition of malaria parasite growth by quinomycin A and its derivatives through DNA-intercalating activity. Bioscience, Biotechnology and Biochemistry, 2015, 79, 633-635.	1.3	13
213	Vicenistatin induces early endosome-derived vacuole formation in mammalian cells. Bioscience, Biotechnology and Biochemistry, 2016, 80, 902-910.	1.3	13
214	Lindersin B from Lindernia crustacea induces neuritogenesis by activation of tyrosine kinase A/phosphatidylinositol 3 kinase/extracellular signal-regulated kinase signaling pathway. Phytomedicine, 2017, 24, 31-38.	5.3	13
215	Predicting bioprocess targets of chemical compounds through integration of chemical-genetic and genetic interactions. PLoS Computational Biology, 2018, 14, e1006532.	3.2	13
216	Abscisic Acid Derivatives with Different Alkyl Chain Lengths Activate Distinct Abscisic Acid Receptor Subfamilies. ACS Chemical Biology, 2019, 14, 1964-1971.	3.4	13

#	Article	IF	Citations
217	3Î²,23,28-Trihydroxy-12-oleanene 3Î²-Caffeate from Desmodium sambuense-Induced Neurogenesis in PC12 Cells Mediated by ER Stress and BDNFâ€“TrkB Signaling Pathways. Molecular Pharmaceutics, 2019, 16, 1423-1432.	4.6	13
218	A small-molecule ligand of valosin-containing protein/p97 inhibits cancer cellâ€“accelerated fibroblast migration. Journal of Biological Chemistry, 2019, 294, 2988-2996.	3.4	13
219	Heterologous Expression of the Biosynthetic Gene Cluster for Verticilactam and Identification of Analogues. Journal of Natural Products, 2020, 83, 3598-3605.	3.0	13
220	Biosynthetic gene cluster identification and biological activity of lucilactaene from Fusarium sp. RK97-94. Bioscience, Biotechnology and Biochemistry, 2020, 84, 1303-1307.	1.3	13
221	Discovery of a Ïƒ1 receptor antagonist by combination of unbiased cell painting and thermal proteome profiling. Cell Chemical Biology, 2021, 28, 848-854.e5.	5.2	13
222	Exploitation of Heparanase Inhibitors from Microbial Metabolites Using an Efficient Visual Screening System. Journal of Antibiotics, 2004, 57, 136-142.	2.0	12
223	Ribosome Display and Photo-Cross-Linking Techniques for In Vitro Identification of Target Proteins of Bioactive Small Molecules. Analytical Chemistry, 2014, 86, 6768-6773.	6.5	12
224	Identification of a novel compound that inhibits osteoclastogenesis by suppressing nucleoside transporters. FEBS Letters, 2016, 590, 1152-1162.	2.8	12
225	Structures and Synthesis of Hitoyopodins: Bioactive Aromatic Sesquiterpenoids Produced by the Mushroom Coprinopsis cinerea. Organic Letters, 2018, 20, 6294-6297.	4.6	12
226	Trends in Bioprobe Research. , 2000, , 1-13.		12
227	New pyrrolobenzodiazepine antibiotics, RK-1441A and B. II. Isolation and structure.. Agricultural and Biological Chemistry, 1990, 54, 2883-2887.	0.3	11
228	An Overview on the Diversity of Actinomycete Metabolites.. Nihon Hosenkin Gakkai Shi = Actinomycetologica, 2001, 15, 11-14.	0.3	11
229	Violaceols Function as Actin Inhibitors Inducing Cell Shape Elongation in Fibroblast Cells. Bioscience, Biotechnology and Biochemistry, 2012, 76, 1431-1437.	1.3	11
230	Identification and Characterization of an Inhibitor of Trichothecene 3-O-Acetyltransferase, TRI101, by the Chemical Array Approach. Bioscience, Biotechnology and Biochemistry, 2013, 77, 1958-1960.	1.3	11
231	Identification of novel secreted fatty acids that regulate nitrogen catabolite repression in fission yeast. Scientific Reports, 2016, 6, 20856.	3.3	11
232	Identification and structureâ€“activity relationship of purine derivatives as novel <scp>MTH</scp>1 inhibitors. Chemical Biology and Drug Design, 2017, 89, 862-869.	3.2	11
233	Allantopyrone A activates Keap1â€“Nrf2 pathway and protects PC12 cells from oxidative stress-induced cell death. Journal of Antibiotics, 2017, 70, 429-434.	2.0	11
234	Control of the Stereochemical Course of [4+2] Cycloaddition during transâ€Decalin Formation by Fsa2â€Family Enzymes. Angewandte Chemie, 2018, 130, 9902-9906.	2.0	11

#	Article	IF	Citations
235	Inhibition of mitochondrial complex I by the novel compound FSL0260 enhances high salinity-stress tolerance in Arabidopsis thaliana. Scientific Reports, 2020, 10, 8691.	3.3	11
236	Targeting Epigenetic and Posttranscriptional Gene Regulation by PSF Impairs Hormone Therapyâ€“Refractory Cancer Growth. Cancer Research, 2021, 81, 3495-3508.	0.9	11
237	Improving Measures of Chemical Structural Similarity Using Machine Learning on Chemicalâ€“Genetic Interactions. Journal of Chemical Information and Modeling, 2021, 61, 4156-4172.	5.4	11
238	A new peptaibol, RK-026A, from the soil fungus Trichoderma sp. RK10-F026 by culture condition-dependent screening. Bioscience, Biotechnology and Biochemistry, 2021, 85, 69-76.	1.3	11
239	Synthesis and biological activity of aminoacyl analogs of ascamycin.. Agricultural and Biological Chemistry, 1988, 52, 1117-1122.	0.3	10
240	Isolation and characterization of the gene encoding an aminopeptidase involved in the selective toxicity of ascamycin toward Xanthomonas campestris pv. citri. Biochemical Journal, 1996, 319, 99-102.	3.7	10
241	Factumycin and Its New Derivative RK-1009 Enhance Threonine-phosphorylation of a 60-kDa Protein in Streptomyces griseus.. Journal of Antibiotics, 1998, 51, 963-966.	2.0	10
242	Onâ€Chip Fragmentâ€Based Approach for Discovery of Highâ€Affinity Bivalent Inhibitors. ChemBioChem, 2009, 10, 838-843.	2.6	10
243	Detection of Cytochrome P450 Substrates by Using a Smallâ€Molecule Droplet Array on an NADHâ€Immobilized Solid Surface. ChemBioChem, 2011, 12, 2748-2752.	2.6	10
244	Green-odour compounds have antifungal activity against the rice blast fungus Magnaporthe oryzae. European Journal of Plant Pathology, 2012, 132, 91-100.	1.7	10
245	Neuritogenic Activity of Tetradecyl 2,3-Dihydroxybenzoate Is Mediated through the Insulin-Like Growth Factor 1 Receptor/Phosphatidylinositol 3 Kinase/Mitogen-Activated Protein Kinase Signaling Pathway. Molecular Pharmacology, 2015, 88, 326-334.	2.3	10
246	Biosynthetic approaches to creating bioactive fungal metabolites: Pathway engineering and activation of secondary metabolism. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5843-5850.	2.2	10
247	Chemical and biological studies of reveromycin A. Journal of Antibiotics, 2016, 69, 723-730.	2.0	10
248	Phenotypic screening meets natural products in drug discoveryâ€. Bioscience, Biotechnology and Biochemistry, 2017, 81, 28-31.	1.3	10
249	Catenulisporolides, Glycosylated Triene Macrolides from the Chemically Underexploited Actinomycete Catenulispora Species. Organic Letters, 2018, 20, 7234-7238.	4.6	10
250	Identification of a chemical modulator of EZH2-mediated silencing by cell-based high-throughput screening assay. Journal of Biochemistry, 2019, 166, 41-50.	1.7	10
251	Development of Mirror-Image Screening Systems for XIAP BIR3 Domain Inhibitors. Bioconjugate Chemistry, 2019, 30, 1395-1404.	3.6	10
252	Proteomics-based target identification of natural products affecting cancer metabolism. Journal of Antibiotics, 2021, 74, 639-650.	2.0	10

#	Article	IF	Citations
253	Molecular Basis for Two Stereoselective Dielsâ€“Alderases that Produce Decalin Skeletons**. Angewandte Chemie - International Edition, 2021, 60, 22401-22410.	13.8	10
254	Occurrence of an ascamycin dealanylating enzyme, Xc-aminopeptidase, in mammalian cell membranes and susceptibility to ascamycin.. Journal of Antibiotics, 1986, 39, 286-293.	2.0	9
255	Penidioxolanes A and B, 1,3-Dioxolane Containing Azaphilone Derivatives from Marine-derivedPenicilliumsp. KCB12C078. Natural Product Sciences, 2015, 21, 231.	0.9	9
256	In vivo and in vitro evaluation of novel Î¼-opioid receptor agonist compounds. European Journal of Pharmacology, 2015, 767, 193-200.	3.5	9
257	RK-270Aâ˜C, new oxindole derivatives isolated from a microbial metabolites fraction library of Streptomyces sp. RK85-270. Journal of Antibiotics, 2015, 68, 293-295.	2.0	9
258	Identification of a smallâ€molecule ligand of Î²â€arrestin1 as an inhibitor of stromal fibroblast cell migration accelerated by cancer cells. Cancer Medicine, 2018, 7, 883-893.	2.8	9
259	Productivity and bioactivity of enokipodins Aâ€“D of Flammulina rossica and Flammulina velutipes. Bioscience, Biotechnology and Biochemistry, 2020, 84, 876-886.	1.3	9
260	Proteomic Profiling for Target Identification of Biologically Active Small Molecules Using 2D DIGE. Methods in Molecular Biology, 2019, 1888, 127-139.	0.9	9
261	Dihydrolucilactaene, a Potent Antimalarial Compound from Fusarium sp. RK97-94. Journal of Natural Products, 2022, 85, 63-69.	3.0	9
262	Bcl-2 Inhibits Calcineurin-mediated Fas Ligand Expression in Antitumor Drug-treated Baby Hamster Kidney Cells. Japanese Journal of Cancer Research, 2000, 91, 706-714.	1.7	8
263	Phenotypic Identification of a Novel Autophagy Inhibitor Chemotype Targeting Lipid Kinase VPS34. Angewandte Chemie, 2017, 129, 8265-8269.	2.0	8
264	Structure and biological activity of Metarhizin C, a stereoisomer of BR-050 from Tolypocladium album RK17-F0007. Journal of Antibiotics, 2019, 72, 996-1000.	2.0	8
265	Investigation of the inhibitory mechanism of apomorphine against MDM2â€“p53 interaction. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 2571-2574.	2.2	8
266	Establishment of a Monoclonal Antibody against Human NTCP That Blocks Hepatitis B Virus Infection. Journal of Virology, 2022, 96, JVI0168621.	3.4	8
267	Recent advances in the chemo-biological characterization of decalin natural products and unraveling of the workings of Dielsâ€“Alderases. Fungal Biology and Biotechnology, 2022, 9, 9.	5.1	8
268	Dual Structureâ€“Activity Relationship of Osteoclastogenesis Inhibitor Methyl Gerfelin Based on TEG Scanning. Bioconjugate Chemistry, 2013, 24, 44-52.	3.6	7
269	Alkyldihydropyrones, new polyketides synthesized by a type III polyketide synthase from Streptomyces reveromyceticus. Journal of Antibiotics, 2014, 67, 819-823.	2.0	7
270	Identification of matrix metalloproteinase inhibitors by chemical arrays. Bioscience, Biotechnology and Biochemistry, 2015, 79, 1597-1602.	1.3	7

#	Article	IF	Citations
271	Trachyspic acid 19-butyl ester, a new inhibitor of Plk1 polo box domain-dependent recognition from uncharacterized fungus RKGS-F2684. Journal of Antibiotics, 2017, 70, 705-707.	2.0	7
272	Sesquiterpene glucosides from Shenzhou honey peach fruit showed the anti-aging activity in the evaluation system using yeasts. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1586-1590.	1.3	7
273	Identification of a trichothecene production inhibitor by chemical array and library screening using trichodiene synthase as a target protein. Pesticide Biochemistry and Physiology, 2017, 138, 1-7.	3.6	7
274	Catalytic Enantioselective Synthesis of a Pyrrolizidineâ€“Alkaloid-Inspired Compound Collection with Antiplasmodial Activity. Journal of Organic Chemistry, 2018, 83, 7033-7041.	3.2	7
275	Brassinosteroids regulate vacuolar morphology in root meristem cells of Arabidopsis thaliana. Plant Signaling and Behavior, 2018, 13, e1417722.	2.4	7
276	Identification of an Asexual Reproduction Inducer of Phytopathogenic and Toxigenic Fusarium. Angewandte Chemie - International Edition, 2018, 57, 8100-8104.	13.8	7
277	Identification of cytotoxic, glutathione-reactive moieties inducing accumulation of reactive oxygen species via glutathione depletion. Bioorganic and Medicinal Chemistry, 2018, 26, 1453-1461.	3.0	7
278	Aturanosides A and B, Glycosylated Anthraquinones with Antiangiogenic Activity from a Soil-Derived Streptomyces Species. Journal of Natural Products, 2018, 81, 2004-2009.	3.0	7
279	Induction of Nectriapyrone Biosynthesis in the Rice Blast Fungus Pyricularia oryzae by Disturbance of the Twoâ€Component Signal Transduction System. ChemBioChem, 2019, 20, 693-700.	2.6	7
280	Induction of secondary metabolite production by hygromycin B and identification of the 1233A biosynthetic gene cluster with a self-resistance gene. Journal of Antibiotics, 2020, 73, 475-479.	2.0	7
281	The Insulin Receptor: A Potential Target of Amarogentin Isolated from Gentiana rigescens Franch That Induces Neurogenesis in PC12 Cells. Biomedicines, 2021, 9, 581.	3.2	7
282	Zealpeptaibolin, an 11-mer cytotoxic peptaibol group with 3 Aib-Pro motifs isolated from Trichoderma sp. RK10-F026. Journal of Antibiotics, 2021, 74, 485-495.	2.0	7
283	Identification of a Small-Molecule Glucose Transporter Inhibitor, Glutipyran, That Inhibits Cancer Cell Growth. ACS Chemical Biology, 2021, 16, 1576-1586.	3.4	7
284	CSE1L promotes nuclear accumulation of transcriptional coactivator TAZ and enhances invasiveness of human cancerÂcells. Journal of Biological Chemistry, 2021, 297, 100803.	3.4	7
285	Controlled lipid Î²-oxidation and carnitine biosynthesis by a vitamin D metabolite. Cell Chemical Biology, 2021, , .	5.2	7
286	Identification of Target Protein for Bio-active Small Molecule Using Photo-cross Linked Beads and MALDI-TOF Mass Spectrometry. Bio-protocol, 2020, 10, e3517.	0.4	7
287	RQN-18690A (18-deoxyherboxidiene) targets SF3b, a spliceosome component, and inhibits angiogenesis. Journal of Antibiotics, 2016, 69, 121-123.	2.0	6
288	Synthesis of the Src SH2 domain and its application in bioassays for mirror-image screening. RSC Advances, 2017, 7, 38725-38732.	3.6	6

#	Article	IF	Citations
289	2-Sulfonylpyrimidines Target the Kinesin HSET via Cysteine Alkylation. European Journal of Organic Chemistry, 2019, 2019, 5486-5496.	2.4	6
290	Î²-carboline biomediators induce reveromycin production in Streptomyces sp. SN-593. Scientific Reports, 2019, 9, 5802.	3.3	6
291	Cytotoxic Activities and Molecular Mechanisms of the Beauvericin and Beauvericin G1 Microbial Products against Melanoma Cells. Molecules, 2020, 25, 1974.	3.8	6
292	The Application of the Chemical Array for Biological Study. Methods in Molecular Biology, 2010, 669, 95-107.	0.9	6
293	Two cyclic hexapeptides from Penicillium sp. FN070315 with antiangiogenic activities. PLoS ONE, 2017, 12, e0184339.	2.5	6
294	Photo-Cross-Linked Small-Molecule Affinity Matrix for Facilitating Forward and Reverse Chemical Genetics. Angewandte Chemie - International Edition, 2005, 44, 4282-4282.	13.8	5
295	Chemical-Induced Inhibition of Blue Light-Mediated Seedling Development Caused by Disruption of Upstream Signal Transduction Involving Cryptochromes inArabidopsis thaliana. Plant and Cell Physiology, 2016, 58, pcw181.	3.1	5
296	Kinanthraquinone, a new anthraquinone carboxamide isolated from Streptomyces reveromyceticus SN-593-44. Journal of Antibiotics, 2018, 71, 480-482.	2.0	5
297	Identification and Characterization of Small Molecule Compounds That Modulate Trichothecene Production by Fusarium graminearum. ACS Chemical Biology, 2018, 13, 1260-1269.	3.4	5
298	A novel inhibitor of tumorspheres reveals the activation of the serine biosynthetic pathway upon mitochondrial inhibition. FEBS Letters, 2019, 593, 763-776.	2.8	5
299	A novel GSK3 inhibitor that promotes self-renewal in mouse embryonic stem cells. Bioscience, Biotechnology and Biochemistry, 2020, 84, 2113-2120.	1.3	5
300	Uncovering hidden sesquiterpene biosynthetic pathway through expression boost area-mediated productivity enhancement in basidiomycete. Journal of Antibiotics, 2020, 73, 721-728.	2.0	5
301	A pipecolic acid-rich branched cyclic depsipeptide ulleungamide C from a Streptomyces species induces G0/G1 cell cycle arrest in promyelocytic leukemia cells. Journal of Antibiotics, 2021, 74, 181-189.	2.0	5
302	Dutomycin Induces Autophagy and Apoptosis by Targeting the Serine Protease Inhibitor SERPINB6. ACS Chemical Biology, 2021, 16, 360-370.	3.4	5
303	Identification of the kinanthraquinone biosynthetic gene cluster by expression of an atypical response regulator. Bioscience, Biotechnology and Biochemistry, 2021, 85, 714-721.	1.3	5
304	New Abscisic Acid Derivatives Revealed Adequate Regulation of Stomatal, Transcriptional, and Developmental Responses to Conquer Drought. ACS Chemical Biology, 2021, 16, 1566-1575.	3.4	5
305	Alteration of tooth movement by reveromycin A in osteoprotegerin-deficient mice. American Journal of Orthodontics and Dentofacial Orthopedics, 2020, 157, 680-689.	1.7	5
306	Synthesis of a Vpr-Binding Derivative for Use as a Novel HIV-1 Inhibitor. PLoS ONE, 2015, 10, e0145573.	2.5	5

#	Article	IF	Citations
307	Cesium tolerance is enhanced by a chemical which binds to BETA-GLUCOSIDASE 23 in Arabidopsis thaliana. Scientific Reports, 2021, 11, 21109.	3.3	5
308	The Education System for Chemical Biology in Japanese Universities. ACS Chemical Biology, 2006, 1, 492-494.	3.4	4
309	A novel partial agonist of GPBA reduces blood glucose level in a murine glucose tolerance test. European Journal of Pharmacology, 2017, 814, 130-137.	3.5	4
310	Comparison of microplate- and bottle-based methods to age yeast for chronological life span assays. Journal of Microbiological Methods, 2019, 167, 105743.	1.6	4
311	YO-001A, a new antifungal agent produced by Streptomyces sp. YO15-A001. Journal of Antibiotics, 2019, 72, 986-990.	2.0	4
312	Synthesis of All Stereoisomers of RK460 and Evaluation of Their Activity and Selectivity as Abscisic Acid Receptor Antagonists. Chemistry - A European Journal, 2019, 25, 3496-3500.	3.3	4
313	Controlling the production of phytotoxin pyriculol in Pyricularia oryzae by aldehyde reductase. Bioscience, Biotechnology and Biochemistry, 2021, 85, 126-133.	1.3	4
314	Pharmacological inhibition of Mint3 attenuates tumour growth, metastasis, and endotoxic shock. Communications Biology, 2021, 4, 1165.	4.4	4
315	Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. Angewandte Chemie, 2017, 129, 1766-1771.	2.0	3
316	Structureâ€Activity Relationships of Terpendole E and Its Natural Derivatives.. ChemistrySelect, 2017, 2, 1533-1536.	1.5	3
317	Two new triterpenoids from the roots of Pinus densiflora. Bioscience, Biotechnology and Biochemistry, 2017, 81, 449-452.	1.3	3
318	Construction of a potato fraction library for the investigation of functional secondary metabolites. Bioscience, Biotechnology and Biochemistry, 2019, 83, 65-75.	1.3	3
319	Identification of a Selective RelA Inhibitor Based on DSE-FRET Screening Methods. International Journal of Molecular Sciences, 2020, 21, 9150.	4.1	3
320	Miclxin, a Novel MIC60 Inhibitor, Induces Apoptosis via Mitochondrial Stress in Î²-Catenin Mutant Tumor Cells. ACS Chemical Biology, 2020, 15, 2195-2204.	3.4	3
321	Reveromycin A, a novel acid-seeking agent, ameliorates bone destruction and tumor growth in multiple myeloma.. Haematologica, 2021, 106, 1172-1177.	3.5	3
322	Does local injection of reveromycin A inhibit tooth movement without causing systemic side effects?. European Journal of Orthodontics, 2021, 43, 658-664.	2.4	3
323	Screening of tenuazonic acid production-inducing compounds and identification of NPD938 as a regulator of fungal secondary metabolism. Bioscience, Biotechnology and Biochemistry, 2021, 85, 2200-2208.	1.3	3
324	Bioprobes at a Glance. , 2000, , 125-305.		3

#	Article	IF	Citations
325	Anti-Angiogenesis Effects Induced by Octaminomycins A and B against HUVECs. Journal of Microbiology and Biotechnology, 2018, 28, 1332-1338.	2.1	3
326	Privileged Biorenewable Secologaninâ€Based Diversityâ€Oriented Synthesis for Pseudoâ€Natural Alkaloids: Uncovering Novel Neuroprotective and Antimalarial Frameworks. ChemSusChem, 2021, 14, 5320-5327.	6.8	3
327	Identification of Dihydroorotate Dehydrogenase Inhibitorsâ”€Indoluidinsâ”€That Inhibit Cancer Cell Growth. ACS Chemical Biology, 2021, 16, 2570-2580.	3.4	3
328	Î²-Methyltryptamine Provoking the Crucial Role of Strictosidine Synthase Tyr151-OH for Its Stereoselective Pictetâ^'Spengler Reactions to Tryptoline-type Alkaloids. ACS Chemical Biology, 2022, 17, 187-197.	3.4	3
329	Identification of Scytalone Dehydratase Inhibitors Effective against Melanin Biosynthesis Dehydratase Inhibitor-Resistant Pyricularia oryzae. Journal of Agricultural and Food Chemistry, 2022, 70, 3109-3116.	5.2	3
330	Development of Low-Molecular-Weight Compounds Targeting the Cancer-Associated KLF5 Transcription Factor. ACS Medicinal Chemistry Letters, 2022, 13, 687-694.	2.8	3
331	Rational design and synthesis of novel heparan sulfate mimetic compounds as antiadhesive agents. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2505-2509.	2.2	2
332	Chemical Biology Based on Small Moleculeâ€“Protein Interaction. , 0, , 1-10.		2
333	RK-144171, a new benadrostin derivative produced by Streptomyces sp. RK88-1441. Journal of Antibiotics, 2017, 70, 102-104.	2.0	2
334	An integrated screening system for the selection of exemplary substrates for natural and engineered cytochrome P450s. Scientific Reports, 2019, 9, 18023.	3.3	2
335	Dihydropyriculol produced by Pyricularia oryzae inhibits the growth of Streptomyces griseus. Bioscience, Biotechnology and Biochemistry, 2021, 85, 1290-1293.	1.3	2
336	Identification of Molecules from Coffee Silverskin That Suppresses Myostatin Activity and Improves Muscle Mass and Strength in Mice. Molecules, 2021, 26, 2676.	3.8	2
337	Isolation of new lucilactaene derivatives from P450 monooxygenase and aldehyde dehydrogenase knockout Fusarium sp. RK97-94 strains and their biological activities. Journal of Antibiotics, 2022, , .	2.0	2
338	Lipopolysaccharide defective mutant of Escherichia coli with decreased sensitivity to colicin E2.. Agricultural and Biological Chemistry, 1985, 49, 1813-1819.	0.3	1
339	Identification of compounds that augment the lectin-sensitivity of Chinese Hamster Ovary cells. Biochemical and Biophysical Research Communications, 2012, 423, 429-435.	2.1	1
340	The chemistry/biology interface. Bioorganic and Medicinal Chemistry, 2012, 20, 1844-1845.	3.0	1
341	Identification of an Asexual Reproduction Inducer of Phytopathogenic and Toxigenic Fusarium. Angewandte Chemie, 2018, 130, 8232-8236.	2.0	1
342	Highly oxygenated angucycline from Streptomyces sp. KCB15JA014. Journal of Antibiotics, 2020, 73, 859-862.	2.0	1

#	Article	IF	Citations
343	Interaction between goniothalamin and peroxisomal multifunctional enzyme type 2 triggering endoplasmic reticulum stress. Heliyon, 2020, 6, e05200.	3.2	1
344	Discovery of small-molecule modulator of heterotrimeric Gi-protein by integrated phenotypic profiling and chemical proteomics. Bioscience, Biotechnology and Biochemistry, 2020, 84, 2484-2490.	1.3	1
345	N-Acetyl-Î±-hydroxy-Î²-oxotryptamine, a racemic natural product isolated from Streptomyces sp. 80H647. Journal of Antibiotics, 2021, 74, 477-479.	2.0	1
346	Angucyclines containing Î²-á´…-glucuronic acid from Streptomyces sp. KCB15JA151. Bioorganic and Medicinal Chemistry Letters, 2021, 48, 128237.	2.2	1
347	Local administration of ReveromycinA ointment suppressed alveolar bone loss in mice. Journal of Pharmacological Sciences, 2021, 147, 40-47.	2.5	1
348	CRM646-A, a Fungal Metabolite, Induces Nucleus Condensation by Increasing Ca2+ Levels in Rat 3Y1 Fibroblast Cells. Journal of Microbiology and Biotechnology, 2020, 30, 31-37.	2.1	1
349	Osteoclast Inhibitors for Bone Fracture Healing in Mice with High-Turnover Osteoporosis. Journal of Hard Tissue Biology, 2020, 29, 255-262.	0.4	1
350	2-Methylthio-N7-methyl-cis-zeatin, a new antimalarial natural product isolated from a Streptomyces culture. Bioscience, Biotechnology and Biochemistry, 2021, , .	1.3	1
351	Introduction and Commentaries for the Special Issue: â€œArnold L. Demain - a Life Livedâ€• Journal of Industrial Microbiology and Biotechnology, 2021, , .	3.0	1
352	Streptooctatins A and B, fusicoccane-type diterpenoids with autophagic activity from Streptomyces sp. KCB17JA11. Bioorganic and Medicinal Chemistry Letters, 2022, 57, 128504.	2.2	1
353	RK-270D and E, oxindole derivatives from Streptomyces sp. with anti-angiogenic activity. Journal of Microbiology and Biotechnology, 2022, 32, 1-10.	2.1	1
354	Phenylboronic Ester-Activated Aryl Iodide-Selective Buchwaldâ€"Hartwig-Type Amination toward Bioactivity Assay. ACS Omega, 2022, 7, 24184-24189.	3.5	1
355	Structureâ€"Activity Relationships of Epolactaene Derivatives: Structural Requirements for Inhibition of Hsp60 Chaperone Activity.. ChemInform, 2004, 35, no.	0.0	0
356	Data on Small Molecules and their Target Proteins. , 0, , 239-276.		0
357	Recent Developments and Advances in Chemical Arrays. , 0, , 57-80.		0
358	åŒ–å•ç‰©ã‚¢ãƒ¬ã‚¤ã‚'ç"¨ã„ãŸé˜»å®³å‰æŽ¢ç´¢ æ©Ÿèƒ½æœªçŸ¥ã‚¿ãƒ³ãƒ'ã‚¯è³ªãƒ"ãƒªãƒ³ã«å¯¾ã™ã‚‹é˜»å®³å‰TPh A ã•®ç™ºè¦‹. Ka	0.0	
359	å©ç"¶ç‰©ã«é•©ã•—ãŸãƒ•ã‚§ãƒŽãƒ†ã‚£ãƒ"ãƒƒã‚¯ã‚¹ã‚¯ãƒªãƒ¼ãƒ‹ãƒ³ã‚°. Kagaku To Seibutsu, 2015, 54, 32-36.	0.0	0
360	Frontispiece: Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. Angewandte Chemie - International Edition, 2017, 56, .	13.8	0

#	Article	IF	Citations
361	Frontispiz: Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. Angewandte Chemie, 2017, 129, .	2.0	0
362	Microbial Fraction Library: A Screening Source for Drug Discovery. , 2019, , 1-20.		0
363	6,9-Dihydroxytetrangulol, a novel angucyclinone antibiotic accumulated in kiqO gene disruptant in the biosynthesis of kinanthraquinone. Journal of Antibiotics, 2021, 74, 593-595.	2.0	0
364	Molecular Basis for Two Stereoselective Dielsâ€“Alderases that Produce Decalin Skeletons**. Angewandte Chemie, 2021, 133, 22575-22584.	2.0	0
365	Innentitelbild: Molecular Basis for Two Stereoselective Dielsâ€“Alderases that Produce Decalin Skeletons (Angew. Chem. 41/2021). Angewandte Chemie, 2021, 133, 22258-22258.	2.0	0
366	Development of Agrochemicals and Chemical Biology. Journal of Pesticide Sciences, 2009, 34, 215-220.	1.4	0
367	An Acidic Milieu Created In Myeloma-Osteoclast Interaction Enhances Tumor Growth, but Triggers Anti-Myeloma Activity of Reveromycin A, a Novel Anti-Resorptive Agent. Blood, 2010, 116, 454-454.	1.4	0
368	Trends in Bioprobe Research. , 2017, , 1-10.		0
369	Technologies to Elucidate Functions of Glycans. , 2019, , 87-124.		0
370	Antiangiogenic potentials of ahpatinins obtained from a Streptomyces species. Oncology Reports, 2020, 43, 625-634.	2.6	0
371	Measurement of ATPase Activity of Valosin-containing Protein/p97. Bio-protocol, 2020, 10, e3516.	0.4	0
372	Discovery of 3-Cinnamamido-N-Substituted Benzamides as Potential Antimalarial Agents. Medicinal Chemistry, 2021, 17, 1207-1218.	1.5	0
373	Fraction Libraries and Genetics as Tools for Natural Product Research: Focus on Decalin-Containing Compounds. , 2020, , 375-409.		0
374	Tenuazonic acid production is dispensable for virulence, but its biosynthetic gene expression pattern is associated with the infection of Pyricularia oryzae. Bioscience, Biotechnology and Biochemistry, 2021, , .	1.3	0
375	Small Molecule Biomediator Which Enhances the Production of Secondary Metabolites in <i>Streptomyces</i>:: Î²-Carbonoline (BR-1) Enhances the Production of Reveromycin. Kagaku To Seibutsu, 2021, 59, 176-181.	0.0	0