

Kazuo Shin-ya

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349
papers

11,137
citations

52
h-index

88
g-index

410
ext. papers

12,650
ext. citations

5
avg, IF

5.97
L-index

#	Paper	IF	Citations
349	Telomestatin, a novel telomerase inhibitor from <i>Streptomyces anulatus</i> . <i>Journal of the American Chemical Society</i> , 2001 , 123, 1262-3	16.4	446
348	Telomestatin, a potent telomerase inhibitor that interacts quite specifically with the human telomeric intramolecular G-quadruplex. <i>Journal of the American Chemical Society</i> , 2002 , 124, 2098-9	16.4	442
347	FANCD1 helicase defective in Fanconi anemia and breast cancer unwinds G-quadruplex DNA to defend genomic stability. <i>Molecular and Cellular Biology</i> , 2008 , 28, 4116-28	4.8	304
346	Terpene synthases are widely distributed in bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 857-62	11.5	286
345	Design and synthesis of an expanded porphyrin that has selectivity for the c-MYC G-quadruplex structure. <i>Journal of the American Chemical Society</i> , 2005 , 127, 2944-59	16.4	283
344	Reevaluation of telomerase inhibition by quadruplex ligands and their mechanisms of action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 17347-52	11.5	233
343	Effect on tumor cells of blocking survival response to glucose deprivation. <i>Journal of the National Cancer Institute</i> , 2004 , 96, 1300-10	9.7	185
342	Activity of a novel G-quadruplex-interactive telomerase inhibitor, telomestatin (SOT-095), against human leukemia cells: involvement of ATM-dependent DNA damage response pathways. <i>Oncogene</i> , 2003 , 22, 5338-47	9.2	180
341	Engineered <i>Streptomyces avermitilis</i> host for heterologous expression of biosynthetic gene cluster for secondary metabolites. <i>ACS Synthetic Biology</i> , 2013 , 2, 384-96	5.7	170
340	The G-quadruplex ligand telomestatin inhibits POT1 binding to telomeric sequences in vitro and induces GFP-POT1 dissociation from telomeres in human cells. <i>Cancer Research</i> , 2006 , 66, 6908-12	10.1	170
339	Telomestatin-induced telomere uncapping is modulated by POT1 through G-overhang extension in HT1080 human tumor cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 38721-9	5.4	161
338	Macrocyclic and helical oligoamides as a new class of G-quadruplex ligands. <i>Journal of the American Chemical Society</i> , 2007 , 129, 11890-1	16.4	152
337	Chemical genomics identifies the unfolded protein response as a target for selective cancer cell killing during glucose deprivation. <i>Cancer Research</i> , 2009 , 69, 4225-34	10.1	137
336	Genome mining of the <i>Streptomyces avermitilis</i> genome and development of genome-minimized hosts for heterologous expression of biosynthetic gene clusters. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 233-50	4.2	119
335	Dysregulated YAP1/TAZ and TGF- β signaling mediate hepatocarcinogenesis in Mob1a/1b-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, E71-80	11.5	115
334	Interaction of telomestatin with the telomeric single-strand overhang. <i>Journal of Biological Chemistry</i> , 2004 , 279, 41487-94	5.4	105
333	Apoptolidin, a new apoptosis inducer in transformed cells from <i>Nocardia</i> sp. <i>Journal of Antibiotics</i> , 1997 , 50, 628-30	3.7	103

332	Macrocyclic hexaoxazoles as sequence- and mode-selective G-quadruplex binders. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 5557-60	16.4	101
331	Total synthesis of (R)-telomestatin. <i>Organic Letters</i> , 2006 , 8, 4165-7	6.2	101
330	Mammalian DNA2 helicase/nuclease cleaves G-quadruplex DNA and is required for telomere integrity. <i>EMBO Journal</i> , 2013 , 32, 1425-39	13	100
329	Characterization of the biosynthetic gene cluster for the ribosomally synthesized cyclic peptide ustiloxin B in <i>Aspergillus flavus</i> . <i>Fungal Genetics and Biology</i> , 2014 , 68, 23-30	3.9	97
328	Spiruchostatins A and B, novel gene expression-enhancing substances produced by <i>Pseudomonas</i> sp.. <i>Tetrahedron Letters</i> , 2001 , 42, 41-44	2	95
327	Structure of Apoptolidin, a Specific Apoptosis Inducer in Transformed Cells. <i>Journal of the American Chemical Society</i> , 1998 , 120, 3524-3525	16.4	95
326	Role of TLS DNA polymerases eta and kappa in processing naturally occurring structured DNA in human cells. <i>Molecular Carcinogenesis</i> , 2009 , 48, 369-78	5	91
325	Specialization among iron-sulfur cluster helicases to resolve G-quadruplex DNA structures that threaten genomic stability. <i>Journal of Biological Chemistry</i> , 2013 , 288, 28217-29	5.4	89
324	Oximidines I and II: Novel Antitumor Macrolides from <i>Pseudomonas</i> sp.. <i>Journal of Organic Chemistry</i> , 1999 , 64, 153-155	4.2	85
323	A stand-alone adenylation domain forms amide bonds in streptothricin biosynthesis. <i>Nature Chemical Biology</i> , 2012 , 8, 791-7	11.7	84
322	Telomestatin impairs glioma stem cell survival and growth through the disruption of telomeric G-quadruplex and inhibition of the proto-oncogene, c-Myb. <i>Clinical Cancer Research</i> , 2012 , 18, 1268-80	12.9	84
321	FANCI couples replication past natural fork barriers with maintenance of chromatin structure. <i>Journal of Cell Biology</i> , 2013 , 201, 33-48	7.3	83
320	MIDDAS-M: motif-independent de novo detection of secondary metabolite gene clusters through the integration of genome sequencing and transcriptome data. <i>PLoS ONE</i> , 2013 , 8, e84028	3.7	80
319	Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 1740-1745	16.4	76
318	Telomestatin-induced stabilization of the human telomeric DNA quadruplex monitored by electrospray mass spectrometry. <i>Chemical Communications</i> , 2003 , 2702-3	5.8	75
317	Atrx deficiency induces telomere dysfunction, endocrine defects, and reduced life span. <i>Journal of Clinical Investigation</i> , 2013 , 123, 2049-63	15.9	74
316	Biosynthesis of versipelostatin: identification of an enzyme-catalyzed [4+2]-cycloaddition required for macrocyclization of spirotetronate-containing polyketides. <i>Journal of the American Chemical Society</i> , 2015 , 137, 572-5	16.4	73
315	Structure of mescengricin, a novel neuronal cell protecting substance produced by <i>Streptomyces griseoflavus</i> . <i>Tetrahedron Letters</i> , 1997 , 38, 3431-3434	2	71

314	Spectomycin B1 as a novel SUMOylation inhibitor that directly binds to SUMO E2. <i>ACS Chemical Biology</i> , 2013 , 8, 2635-42	4.9	68
313	Isolation of azaspiracid-2 from a marine sponge <i>Echinoclathria</i> sp. as a potent cytotoxin. <i>Toxicon</i> , 2009 , 53, 680-4	2.8	65
312	Class of cyclic ribosomal peptide synthetic genes in filamentous fungi. <i>Fungal Genetics and Biology</i> , 2016 , 86, 58-70	3.9	63
311	<i>Streptomyces</i> associated with a marine sponge <i>Haliclona</i> sp.; biosynthetic genes for secondary metabolites and products. <i>Environmental Microbiology</i> , 2011 , 13, 391-403	5.2	62
310	Characterisation of the in vitro activity of the depsipeptide histone deacetylase inhibitor spiruchostatin A. <i>Biochemical Pharmacology</i> , 2008 , 76, 463-75	6	61
309	Structure of carquinostatin a, a new neuronal cell protecting substance produced by <i>Streptomyces exfoliatus</i> . <i>Tetrahedron Letters</i> , 1993 , 34, 4943-4944	2	61
308	Isolation and structural elucidation of an antioxidative agent, naphterpin. <i>Journal of Antibiotics</i> , 1990 , 43, 444-7	3.7	60
307	Structure of kaitocephalin, a novel glutamate receptor antagonist produced by <i>Eupenicillium shearii</i> . <i>Tetrahedron Letters</i> , 1997 , 38, 7079-7082	2	59
306	Fanconi anemia group J mutation abolishes its DNA repair function by uncoupling DNA translocation from helicase activity or disruption of protein-DNA complexes. <i>Blood</i> , 2010 , 116, 3780-91	2.2	58
305	Structure of thioviridamide, a novel apoptosis inducer from <i>Streptomyces olivoviridis</i> . <i>Journal of Antibiotics</i> , 2006 , 59, 6-10	3.7	58
304	Urukthapelstatin A, a novel cytotoxic substance from marine-derived <i>Mechercharimyces asporophorigenens</i> YM11-542. I. Fermentation, isolation and biological activities. <i>Journal of Antibiotics</i> , 2007 , 60, 251-5	3.7	57
303	Versipelostatins, a novel GRP78/Bip molecular chaperone down-regulator of microbial origin. <i>Tetrahedron Letters</i> , 2002 , 43, 6941-6945	2	57
302	Unveiling the Biosynthetic Pathway of the Ribosomally Synthesized and Post-translationally Modified Peptide Ustiloxin B in Filamentous Fungi. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8072-5	16.4	56
301	Visualization of G-quadruplexes by using a BODIPY-labeled macrocyclic heptaoxazole. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2749-55	3.9	56
300	Telomere protection mechanisms change during neurogenesis and neuronal maturation: newly generated neurons are hypersensitive to telomere and DNA damage. <i>Journal of Neuroscience</i> , 2007 , 27, 3722-33	6.6	55
299	Synthesis of a potent G-quadruplex-binding macrocyclic heptaoxazole. <i>ChemBioChem</i> , 2009 , 10, 431-5	3.8	53
298	Molecular determinants of microbial resistance to thiopeptide antibiotics. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6973-81	16.4	52
297	The G-quadruplex ligand telomestatin impairs binding of topoisomerase III α to G-quadruplex-forming oligonucleotides and uncaps telomeres in ALT cells. <i>PLoS ONE</i> , 2009 , 4, e6919	3.7	52

296	Arctigenin blocks the unfolded protein response and shows therapeutic antitumor activity. <i>Journal of Cellular Physiology</i> , 2010 , 224, 33-40	7	52
295	Unprecedented Cyclization Catalyzed by a Cytochrome P450 in Benzastatin Biosynthesis. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6631-6639	16.4	51
294	Novel terpenes generated by heterologous expression of bacterial terpene synthase genes in an engineered <i>Streptomyces</i> host. <i>Journal of Antibiotics</i> , 2015 , 68, 385-94	3.7	51
293	Thioviridamide, a novel apoptosis inducer in transformed cells from <i>Streptomyces olivoviridis</i> . <i>Journal of Antibiotics</i> , 2006 , 59, 1-5	3.7	51
292	Tetrapeptides possessing a unique skeleton, JBIR-34 and JBIR-35, isolated from a sponge-derived actinomycete, <i>Streptomyces</i> sp. Sp080513GE-23. <i>Journal of Natural Products</i> , 2010 , 73, 226-8	4.9	50
291	A total synthesis of spiruchostatin A. <i>Tetrahedron Letters</i> , 2006 , 47, 1177-1180	2	49
290	Isolation and structural elucidation of pyridoxatin, a free radical scavenger of microbial origin. <i>Journal of Antibiotics</i> , 1991 , 44, 685-7	3.7	47
289	Biosynthetic studies of naphterpin, a terpenoid metabolite of streptomyces. <i>Tetrahedron Letters</i> , 1990 , 31, 6025-6026	2	47
288	Resistance to the short term antiproliferative activity of the G-quadruplex ligand 12459 is associated with telomerase overexpression and telomere capping alteration. <i>Journal of Biological Chemistry</i> , 2003 , 278, 50554-62	5.4	45
287	Disabling c-Myc in childhood medulloblastoma and atypical teratoid/rhabdoid tumor cells by the potent G-quadruplex interactive agent S2T1-6OTD. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 167-79	6.1	44
286	Formobactin, a novel free radical scavenging and neuronal cell protecting substance from <i>Nocardia</i> sp. <i>Journal of Antibiotics</i> , 1996 , 49, 839-45	3.7	43
285	A new neuronal cell protecting substance, lavanduquinocin, produced by <i>Streptomyces viridochromogenes</i> . <i>Journal of Antibiotics</i> , 1995 , 48, 574-8	3.7	43
284	Sponge-derived <i>Streptomyces</i> producing isoprenoids via the mevalonate pathway. <i>Journal of Natural Products</i> , 2010 , 73, 208-12	4.9	42
283	(S)-stereoisomer of telomestatin as a potent G-quadruplex binder and telomerase inhibitor. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 387-93	3.9	40
282	Benzastatins E, F, and G: New indoline alkaloids with neuronal cell protecting activity from <i>Streptomyces nitrosporeus</i> . <i>Tetrahedron</i> , 1997 , 53, 4309-4316	2.4	40
281	Glucose-deprived HT-29 human colon carcinoma cells are sensitive to verrucosidin as a GRP78 down-regulator. <i>Toxicology</i> , 2007 , 229, 253-61	4.4	40
280	Design and Synthesis of Telomestatin Derivatives and Their Inhibitory Activity of Telomerase. <i>Heterocycles</i> , 2006 , 69, 505	0.8	40
279	Discovery of Unprecedented Hydrazine-Forming Machinery in Bacteria. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9083-9086	16.4	39

278	Novel in vitro protein fragment complementation assay applicable to high-throughput screening in a 1536-well format. <i>Journal of Biomolecular Screening</i> , 2009 , 14, 970-9		39
277	G-quadruplex recognition by macrocyclic hexaoxazole (6OTD) dimer: greater selectivity than monomer. <i>Chemical Communications</i> , 2009 , 6481-3	5.8	39
276	Resistance to senescence induction and telomere shortening by a G-quadruplex ligand inhibitor of telomerase. <i>Cancer Research</i> , 2003 , 63, 6149-53	10.1	39
275	A new angucycline and a new butenolide isolated from lichen-derived <i>Streptomyces</i> spp. <i>Journal of Antibiotics</i> , 2010 , 63, 545-8	3.7	38
274	Tetracenoquinocin and 5-iminoaranciamycin from a sponge-derived <i>Streptomyces</i> sp. Sp080513GE-26. <i>Journal of Natural Products</i> , 2010 , 73, 755-8	4.9	38
273	Prunustatin A, a novel GRP78 molecular chaperone down-regulator isolated from <i>Streptomyces violaceoniger</i> . <i>Journal of Antibiotics</i> , 2005 , 58, 206-9	3.7	38
272	Absolute configuration of a novel glutamate receptor antagonist kaitocephalin. <i>Tetrahedron Letters</i> , 2001 , 42, 4021-4023	2	38
271	Neothioviridamide, a Polythioamide Compound Produced by Heterologous Expression of a <i>Streptomyces</i> sp. Cryptic RiPP Biosynthetic Gene Cluster. <i>Journal of Natural Products</i> , 2018 , 81, 264-269	4.9	37
270	<i>Streptomyces tateyamensis</i> sp. nov., <i>Streptomyces marinus</i> sp. nov. and <i>Streptomyces haliclona</i> sp. nov., isolated from the marine sponge <i>Haliclona</i> sp. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2010 , 60, 2775-2779	2.2	37
269	Total synthesis of spiruchostatin B aided by an automated synthesizer. <i>Organic and Biomolecular Chemistry</i> , 2011 , 9, 3825-33	3.9	36
268	JBIR-31, a new teleocidin analog, produced by salt-requiring <i>Streptomyces</i> sp. NBRC 105896 isolated from a marine sponge. <i>Journal of Antibiotics</i> , 2010 , 63, 33-6	3.7	36
267	Relative and absolute configuration of versipelostatin, a down-regulator of molecular chaperone GRP78 expression. <i>Organic Letters</i> , 2007 , 9, 1457-60	6.2	36
266	A novel indole-diterpenoid, JBIR-03 with anti-MRSA activity from <i>Dichotomomyces cejpilii</i> var. <i>cejpilii</i> NBRC 103559. <i>Journal of Antibiotics</i> , 2007 , 60, 645-8	3.7	36
265	Affinity and selectivity of G4 ligands measured by FRET. <i>Nucleic Acids Symposium Series</i> , 2005 , 235-6		36
264	Isolation and structural elucidation of antioxidative substances, carbazoquinocins A to F. <i>Journal of Antibiotics</i> , 1995 , 48, 326-8	3.7	36
263	G-quadruplexes as potential therapeutic targets for embryonal tumors. <i>Molecules</i> , 2013 , 18, 12500-37	4.8	35
262	New sesquiterpenes, JBIR-27 and -28, isolated from a tunicate-derived fungus, <i>Penicillium</i> sp. SS080624SCF1. <i>Journal of Antibiotics</i> , 2009 , 62, 247-50	3.7	35
261	Anguinomycins C and D, new antitumor antibiotics with selective cytotoxicity against transformed cells. <i>Journal of Antibiotics</i> , 1995 , 48, 954-61	3.7	35

260	Structures of stealthins A and B, new free radical scavengers of microbial origin. <i>Tetrahedron Letters</i> , 1992 , 33, 7025-7028	2	35
259	Reprogramming of the antimycin NRPS-PKS assembly lines inspired by gene evolution. <i>Nature Communications</i> , 2018 , 9, 3534	17.4	35
258	Solid-phase total synthesis of (-)-apratoxin A and its analogues and their biological evaluation. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 180-8	4.5	34
257	Nerve growth factor attenuates 2-deoxy-d-glucose-triggered endoplasmic reticulum stress-mediated apoptosis via enhanced expression of GRP78. <i>Neuroscience Research</i> , 2010 , 66, 14-21	2.9	34
256	JBIR-56 and JBIR-57, 2(1H)-pyrazinones from a marine sponge-derived <i>Streptomyces</i> sp. SpD081030SC-03. <i>Journal of Natural Products</i> , 2011 , 74, 1630-5	4.9	33
255	Isolation and structure elucidation of novel neuronal cell protecting substances, carbazomadurasins A and B produced by <i>Actinomadura madurae</i> . <i>Journal of Antibiotics</i> , 1997 , 50, 770-2	3.7	33
254	A small-molecule compound inhibits a collagen-specific molecular chaperone and could represent a potential remedy for fibrosis. <i>Journal of Biological Chemistry</i> , 2017 , 292, 20076-20085	5.4	32
253	Selective cytotoxic activity of valinomycin against HT-29 Human colon carcinoma cells via down-regulation of GRP78. <i>Biological and Pharmaceutical Bulletin</i> , 2006 , 29, 817-20	2.3	32
252	Synthesis of the proposed structure and revision of stereochemistry of kaitocephalin. <i>Tetrahedron Letters</i> , 2002 , 43, 857-860	2	32
251	The structure of benthocyanin A. A new free radical scavenger of microbial origin. <i>Tetrahedron Letters</i> , 1991 , 32, 943-946	2	32
250	JBIR-124: a novel antioxidative agent from a marine sponge-derived fungus <i>Penicillium citrinum</i> SpI080624G1f01. <i>Journal of Antibiotics</i> , 2012 , 65, 45-7	3.7	31
249	Etoposide-resistant HT-29 human colon carcinoma cells during glucose deprivation are sensitive to ptericidin A, a GRP78 down-regulator. <i>Journal of Cellular Physiology</i> , 2008 , 215, 243-50	7	31
248	Novel thioviridamide derivative--JBIR-140: heterologous expression of the gene cluster for thioviridamide biosynthesis. <i>Journal of Antibiotics</i> , 2015 , 68, 533-6	3.7	30
247	Reconstitution of a Type II Polyketide Synthase that Catalyzes Polyene Formation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 1954-1957	16.4	29
246	Solophenols B-D and solomonin: new prenylated polyphenols isolated from propolis collected from the Solomon Islands and their antibacterial activity. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 11765-70	5.7	29
245	Distribution of the 3-hydroxyl-3-methylglutaryl coenzyme A reductase gene and isoprenoid production in marine-derived Actinobacteria. <i>FEMS Microbiology Letters</i> , 2010 , 304, 89-96	2.9	29
244	Targeting glioma stem cells in vivo by a G-quadruplex-stabilizing synthetic macrocyclic hexaoxazole. <i>Scientific Reports</i> , 2017 , 7, 3605	4.9	28
243	JBIR-22, an inhibitor for protein-protein interaction of the homodimer of proteasome assembly factor 3. <i>Journal of Natural Products</i> , 2010 , 73, 628-31	4.9	28

242	JBIR-15, a new aspochracin derivative, isolated from a sponge-derived fungus, <i>Aspergillus sclerotiorum</i> Huber Sp080903f04. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 1898-900	2.1	28
241	Glucose-regulated protein 78: a new partner of p53 in trophoblast. <i>Proteomics</i> , 2009 , 9, 5316-27	4.8	28
240	Preventing the unfolded protein response via aberrant activation of 4E-binding protein 1 by versipelostatin. <i>Cancer Science</i> , 2009 , 100, 327-33	6.9	28
239	Aminocaprophenone- and pyrrolidine-type alkaloids from the leaves of <i>Ficus septica</i> . <i>Journal of Natural Products</i> , 2009 , 72, 2181-3	4.9	28
238	Novel antibiotics pyrifulfoxin A and B produced by <i>Streptomyces californicus</i> . <i>Journal of Antibiotics</i> , 1999 , 52, 505-7	3.7	28
237	Total synthesis and stereochemistry revision of mannopeptimycin aglycone. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12011-7	16.4	27
236	JBIR-59, a new sorbicillinoid, from a marine-derived fungus <i>Penicillium citrinum</i> Spi080624G1f01. <i>Journal of Antibiotics</i> , 2010 , 63, 203-5	3.7	27
235	Pleiotropic control of secondary metabolism and morphological development by KsbC, a butyrolactone autoregulator receptor homologue in <i>Kitasatospora setae</i> . <i>Applied and Environmental Microbiology</i> , 2012 , 78, 8015-24	4.8	27
234	Novel antitumor and neuroprotective substances discovered by characteristic screenings based on specific molecular targets. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005 , 69, 867-72	2.1	27
233	Compound C prevents the unfolded protein response during glucose deprivation through a mechanism independent of AMPK and BMP signaling. <i>PLoS ONE</i> , 2012 , 7, e45845	3.7	27
232	Distribution and functional analysis of the phosphopantetheinyl transferase superfamily in microorganisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 6828-6833	11.5	26
231	Carquinostatin B, a new neuronal cell-protecting substance produced by <i>Streptomyces exfoliatus</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 1997 , 61, 1768-9	2.1	26
230	Antioxidant activity of propofol and related monomeric and dimeric compounds. <i>Chemical and Pharmaceutical Bulletin</i> , 2005 , 53, 344-6	1.9	26
229	Isolation and structural elucidation of antioxidative agents, antiostatins A1 to A4 and B2 to B5. <i>Journal of Antibiotics</i> , 1990 , 43, 1337-40	3.7	26
228	Production of a Novel Amide-Containing Polyene by Activating a Cryptic Biosynthetic Gene Cluster in <i>Streptomyces</i> sp. MSC090213JE08. <i>ChemBioChem</i> , 2016 , 17, 1464-71	3.8	26
227	G-quadruplex ligand-induced DNA damage response coupled with telomere dysfunction and replication stress in glioma stem cells. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 471, 75-81	3.4	25
226	JBIR-94 and JBIR-125, antioxidative phenolic compounds from <i>Streptomyces</i> sp. R56-07. <i>Journal of Natural Products</i> , 2012 , 75, 107-10	4.9	25
225	Inhibition of histone H3K9 methyltransferases by gliotoxin and related epipolythiodioxopiperazines. <i>Journal of Antibiotics</i> , 2012 , 65, 263-5	3.7	25

224	Trichostatin analogues JBIR-109, JBIR-110, and JBIR-111 from the marine sponge-derived <i>Streptomyces</i> sp. RM72. <i>Journal of Natural Products</i> , 2012 , 75, 285-9	4.9	25
223	Efrapeptin J, a new down-regulator of the molecular chaperone GRP78 from a marine <i>Tolypocladium</i> sp. <i>Journal of Antibiotics</i> , 2008 , 61, 365-71	3.7	25
222	Absolute structure of prunustatin A, a novel GRP78 molecular chaperone down-regulator. <i>Organic Letters</i> , 2007 , 9, 4239-42	6.2	25
221	Novel GRP78 molecular chaperone expression down-regulators JBIR-04 and -05 isolated from <i>Streptomyces violaceoniger</i> . <i>Journal of Antibiotics</i> , 2007 , 60, 640-4	3.7	25
220	Isolation and characterization of phosmidosine. A new antifungal nucleotide antibiotic. <i>Journal of Antibiotics</i> , 1991 , 44, 375-81	3.7	25
219	Biosynthetic Origin of the Hydroxamic Acid Moiety of Trichostatin A: Identification of Unprecedented Enzymatic Machinery Involved in Hydroxylamine Transfer. <i>Journal of the American Chemical Society</i> , 2017 , 139, 6799-6802	16.4	24
218	JBIR-65, a new diterpene, isolated from a sponge-derived <i>Actinomadura</i> sp. SpB081030SC-15. <i>Journal of Antibiotics</i> , 2010 , 63, 401-3	3.7	24
217	Structure of tyroscherin, an antitumor antibiotic against IGF-1-dependent cells from <i>Pseudallescheria</i> sp. <i>Journal of Antibiotics</i> , 2004 , 57, 634-8	3.7	24
216	Glioma-initiating cells at tumor edge gain signals from tumor core cells to promote their malignancy. <i>Nature Communications</i> , 2020 , 11, 4660	17.4	24
215	Biosynthesis of mercapturic acid derivative of the labdane-type diterpene, cyslabdan that potentiates imipenem activity against methicillin-resistant <i>Staphylococcus aureus</i> : cyslabdan is generated by mycothiol-mediated xenobiotic detoxification. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 325-42	4.2	23
214	Biosynthesis of the 4-methyloxazoline-containing nonribosomal peptides, JBIR-34 and -35, in <i>Streptomyces</i> sp. Sp080513GE-23. <i>Chemistry and Biology</i> , 2014 , 21, 923-34		23
213	A caged ligand for a telomeric G-quadruplex. <i>ChemBioChem</i> , 2012 , 13, 774-7	3.8	23
212	JBIR-58, a new salicylamide derivative, isolated from a marine sponge-derived <i>Streptomyces</i> sp. SpD081030ME-02. <i>Journal of Antibiotics</i> , 2010 , 63, 267-9	3.7	23
211	New xanthoquinodin-like compounds, JBIR-97, -98 and -99, obtained from marine sponge-derived fungus <i>Tritirachium</i> sp. SpB081112MEf2. <i>Journal of Antibiotics</i> , 2010 , 63, 615-8	3.7	23
210	JBIR-23 and -24, novel anticancer agents from <i>Streptomyces</i> sp. AK-AB27. <i>Organic Letters</i> , 2009 , 11, 2854-2	3.8	23
209	Selective cytotoxicity and stereochemistry of aspochalasin D. <i>Journal of Antibiotics</i> , 2001 , 54, 379-81	3.7	23
208	Novel neuronal cell protecting substances, aestivophoenins A and B, produced by <i>Streptomyces purpeofuscus</i> . <i>Journal of Antibiotics</i> , 1995 , 48, 1378-81	3.7	23
207	Stachybocins, novel endothelin receptor antagonists, produced by <i>Stachybotrys</i> sp. M6222. II. Structure determination of stachybocins A, B and C. <i>Journal of Antibiotics</i> , 1995 , 48, 1396-400	3.7	23

206	A solid-phase total synthesis of the cyclic depsipeptide HDAC inhibitor spiruchostatin A. <i>Tetrahedron Letters</i> , 2009 , 50, 2970-2972	2	22
205	New aureothin derivative, alloaureothin, from <i>Streptomyces</i> sp. MM23. <i>Journal of Antibiotics</i> , 2007 , 60, 321-4	3.7	22
204	Deoxyverrucosidin, a novel GRP78/BiP down-regulator, produced by <i>Penicillium</i> sp. <i>Journal of Antibiotics</i> , 2005 , 58, 210-3	3.7	22
203	New acylated anthocyanins from purple yam and their antioxidant activity. <i>Bioscience, Biotechnology and Biochemistry</i> , 2015 , 79, 1484-92	2.1	21
202	Analysis of the biological activity of a novel 24-membered macrolide JBIR-19 in <i>Saccharomyces cerevisiae</i> by the morphological imaging program CalMorph. <i>FEMS Yeast Research</i> , 2012 , 12, 293-304	3.1	21
201	New diphenazines with neuronal cell protecting activity, phenazostatins A and B, produced by <i>Streptomyces</i> sp. <i>Journal of Antibiotics</i> , 1997 , 50, 715-21	3.7	21
200	Neuroprotectins A and B, bicyclohexapeptides protecting chick telencephalic neuronal cells from excitotoxicity. I. Fermentation, isolation, physico-chemical properties and biological activity. <i>Journal of Antibiotics</i> , 2001 , 54, 1013-8	3.7	21
199	Biosynthesis of Quinolidomicin, the Largest Known Macrolide of Terrestrial Origin: Identification and Heterologous Expression of a Biosynthetic Gene Cluster over 200 kb. <i>Organic Letters</i> , 2018 , 20, 7996-7999 ^{6,21}	6.2	21
198	Tyrosyl-DNA phosphodiesterase 1 inhibitor from an anamorphic fungus. <i>Journal of Natural Products</i> , 2012 , 75, 764-7	4.9	20
197	Novel siderophore, JBIR-16, isolated from <i>Nocardia tenerifensis</i> NBRC 101015. <i>Journal of Antibiotics</i> , 2009 , 62, 601-3	3.7	20
196	Efficient synthesis of the deoxysugar part of versipelostatin by direct and stereoselective glycosylation and revision of the structure of the trisaccharide unit. <i>Chemistry - an Asian Journal</i> , 2009 , 4, 1114-25	4.5	20
195	JBIR-37 and -38, novel glycosyl benzenediols, isolated from the sponge-derived fungus, <i>Acremonium</i> sp. SpF080624G1f01. <i>Bioscience, Biotechnology and Biochemistry</i> , 2009 , 73, 2138-40	2.1	20
194	Combinatorial synthesis of deoxyhexasaccharides related to the landomycin A sugar moiety, based on an orthogonal deprotection strategy. <i>Chemistry - an Asian Journal</i> , 2010 , 5, 1407-24	4.5	20
193	<i>Paraoerskovia marina</i> gen. nov., sp. nov., an actinobacterium isolated from marine sediment. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2009 , 59, 2094-8	2.2	19
192	A new cyclizidine analog-JBIR-102-from <i>Saccharopolyspora</i> sp. RL78 isolated from mangrove soil. <i>Journal of Antibiotics</i> , 2012 , 65, 41-3	3.7	19
191	A novel antimycin-like compound, JBIR-06, from <i>Streptomyces</i> sp. ML55. <i>Journal of Antibiotics</i> , 2008 , 61, 241-4	3.7	19
190	Biosynthetic studies of versipelostatin, a novel 17-membered tetrone acid involved macrocyclic compound isolated from <i>Streptomyces versipellis</i> . <i>Tetrahedron Letters</i> , 2003 , 44, 5897-5900	2	19
189	Structure of aspochalasin H, a new member of the aspochalasin family. <i>Journal of Antibiotics</i> , 2002 , 55, 666-8	3.7	19

188	Rasfonin, a new apoptosis inducer in ras-dependent cells from <i>Talaromyces</i> sp. <i>Journal of Antibiotics</i> , 2000 , 53, 848-50	3.7	19
187	Involvement of membrane GRP78 in trophoblastic cell fusion. <i>PLoS ONE</i> , 2012 , 7, e40596	3.7	19
186	Saccharothriolides A-C, novel phenyl-substituted 10-membered macrolides isolated from a rare actinomycete <i>Saccharothrix</i> sp. <i>Chemical Communications</i> , 2015 , 51, 8074-7	5.8	18
185	Identification and Characterization of the Streptazone E Biosynthetic Gene Cluster in <i>Streptomyces</i> sp. MSC090213JE08. <i>ChemBioChem</i> , 2015 , 16, 2385-91	3.8	18
184	Genome-based discovery of a novel membrane-bound 1,6-dihydroxyphenazine prenyltransferase from a marine actinomycete. <i>PLoS ONE</i> , 2014 , 9, e99122	3.7	18
183	Three new depsipeptides, JBIR-113, JBIR-114 and JBIR-115, isolated from a marine sponge-derived <i>Penicillium</i> sp. fS36. <i>Journal of Antibiotics</i> , 2012 , 65, 147-150	3.7	18
182	Three eremophilane derivatives, MBJ-0011, MBJ-0012 and MBJ-0013, from an endophytic fungus <i>Apiognomonina</i> sp. f24023. <i>Journal of Antibiotics</i> , 2013 , 66, 299-302	3.7	18
181	Isolation of 2 new metabolites, JBIR-74 and JBIR-75, from the sponge-derived <i>Aspergillus</i> sp. fS14. <i>Journal of Antibiotics</i> , 2010 , 63, 393-5	3.7	18
180	Synthesis, structure determination, and biological evaluation of destruxin E. <i>Organic Letters</i> , 2010 , 12, 3792-5	6.2	18
179	Anti-influenza virus compound from <i>Streptomyces</i> sp. RI18. <i>Organic Letters</i> , 2010 , 12, 4664-6	6.2	18
178	JBIR-44, a new bromotyrosine compound from a marine sponge <i>Psammaphysilla purpurea</i> . <i>Journal of Antibiotics</i> , 2009 , 62, 393-5	3.7	18
177	New glycosylated derivatives of versipelostatin, the GRP78/Bip molecular chaperone down-regulator, from <i>Streptomyces versipellis</i> 4083-SVS6. <i>Organic and Biomolecular Chemistry</i> , 2009 , 7, 1454-60	3.9	18
176	Induction of tubulin polymerization and apoptosis in malignant mesothelioma cells by a new compound JBIR-23. <i>Cancer Letters</i> , 2011 , 300, 189-96	9.9	17
175	Macrocyclic Hexaoxazoles as Sequence- and Mode-Selective G-Quadruplex Binders. <i>Angewandte Chemie</i> , 2008 , 120, 5639-5642	3.6	17
174	New ravidomycin analogues, FE35A and FE35B, apoptosis inducers produced by <i>Streptomyces rochei</i> . <i>Journal of Antibiotics</i> , 1998 , 51, 1105-8	3.7	17
173	A novel neuronal cell protecting substance, aestivophoenin C, produced by <i>Streptomyces purpeofuscus</i> . <i>Journal of Antibiotics</i> , 1998 , 51, 880-2	3.7	17
172	Statins affect human glioblastoma and other cancers through TGF- β inhibition. <i>Oncotarget</i> , 2019 , 10, 1716-1728	3.3	17
171	Identification of a gene cluster for telomestatin biosynthesis and heterologous expression using a specific promoter in a clean host. <i>Scientific Reports</i> , 2017 , 7, 3382	4.9	16

170	Studies on terpenoids produced by actinomycetes. Isolation and structural elucidation of antioxidative agents, naphterpins B and C. <i>Journal of Antibiotics</i> , 2005 , 58, 275-8	3.7	16
169	Diheteropeptin, a new substance with TGF-beta-like activity, produced by a fungus, Diheterospora chlamydosporia. I. Production, isolation and biological activities. <i>Journal of Antibiotics</i> , 2000 , 53, 788-92	3.7	16
168	6-Hydroxytetrangulol, a new CPP32 protease inducer produced by Streptomyces sp. <i>Journal of Antibiotics</i> , 1998 , 51, 79-81	3.7	16
167	Menoxymycins A and B antitumor antibiotics generating active oxygen in tumor cells. <i>Journal of Antibiotics</i> , 1994 , 47, 1344-7	3.7	16
166	Total Synthesis and Structure Determination of JBIR-108-A 2-Hydroxy-2-(1-hydroxyethyl)-2,3-dihydro-3(2H)-furanone Isolated from Streptomyces gramineus IR087Pi-4. <i>Journal of Organic Chemistry</i> , 2015 , 80, 114-32	4.2	15
165	Identification and biosynthesis of new acyloins from the thermophilic bacterium Thermosporothrix hazakensis SK20-1(T). <i>ChemBioChem</i> , 2014 , 15, 527-32	3.8	15
164	New chaetoglobosin derivatives, MBJ-0038, MBJ-0039 and MBJ-0040, isolated from the fungus Chaetomium sp. f24230. <i>Journal of Antibiotics</i> , 2013 , 66, 727-30	3.7	15
163	Stereochemical assignment of the protein-protein interaction inhibitor JBIR-22 by total synthesis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4046-50	16.4	15
162	New hydroxamate metabolite, MBJ-0003, from Micromonospora sp. 29867. <i>Journal of Antibiotics</i> , 2014 , 67, 261-3	3.7	15
161	Relative configuration of JBIR-129, a cytotoxic 34-membered glycosidic polyol macrolide from Streptomyces sp. RK74. <i>Organic Letters</i> , 2012 , 14, 4434-7	6.2	15
160	JBIR-52, a new antimycin-like compound, from Streptomyces sp. ML55. <i>Journal of Antibiotics</i> , 2009 , 62, 593-5	3.7	15
159	Studies on new antitumor antibiotics, leptofuranins A, B, C and D.I. Taxonomy, fermentation, isolation and biological activities. <i>Journal of Antibiotics</i> , 1996 , 49, 974-9	3.7	15
158	7-Demethylnaphterpin, a new free radical scavenger from Streptomyces prunicolor. <i>Journal of Antibiotics</i> , 1992 , 45, 124-5	3.7	15
157	A minimal threshold of FANCI helicase activity is required for its response to replication stress or double-strand break repair. <i>Nucleic Acids Research</i> , 2018 , 46, 6238-6256	20.1	15
156	Identification of the Fluvirucin B2 (Sch 38518) Biosynthetic Gene Cluster from Actinomadura fulva subsp. indica ATCC 53714: substrate Specificity of the α -Amino Acid Selective Adenylating Enzyme FlvN. <i>Bioscience, Biotechnology and Biochemistry</i> , 2016 , 80, 935-41	2.1	14
155	Isolation of a novel macrocyclic dilactone-JBIR-101-from Promicromonospora sp. RL26. <i>Journal of Antibiotics</i> , 2011 , 64, 689-691	3.7	14
154	Discovery of a pimaricin analog JBIR-13, from Streptomyces bicolor NBRC 12746 as predicted by sequence analysis of type I polyketide synthase gene. <i>Applied Microbiology and Biotechnology</i> , 2009 , 83, 127-33	5.7	14
153	Ammocidins B, C and D, new cytotoxic 20-membered macrolides from Saccharothrix sp. AJ9571. <i>Journal of Antibiotics</i> , 2009 , 62, 123-7	3.7	14

152	Streptomyces aomiensis sp. nov., isolated from a soil sample using the membrane-filter method. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2011 , 61, 947-950	2.2	14
151	Pyrrolidine-containing peptides, JBIR-126, -148, and -149, from Streptomyces sp. NBRC 111228. <i>Tetrahedron Letters</i> , 2015 , 56, 5333-5336	2	13
150	Mechanism of Action of Prethioviridamide, an Anticancer Ribosomally Synthesized and Post-Translationally Modified Peptide with a Polythioamide Structure. <i>ACS Chemical Biology</i> , 2019 , 14, 1819-1828	4.9	13
149	Genome Mining of Amino Group Carrier Protein-Mediated Machinery: Discovery and Biosynthetic Characterization of a Natural Product with Unique Hydrazone Unit. <i>ACS Chemical Biology</i> , 2017 , 12, 124-131	4.9	13
148	Two novel benzastatin derivatives, JBIR-67 and JBIR-73, isolated from Streptomyces sp. RI18. <i>Journal of Antibiotics</i> , 2011 , 64, 281-3	3.7	13
147	JBIR-66, a new metabolite isolated from tunicate-derived Saccharopolyspora sp. SS081219JE-28. <i>Bioscience, Biotechnology and Biochemistry</i> , 2010 , 74, 2355-7	2.1	13
146	Isolation of two new terpeptin analogs-JBIR-81 and JBIR-82-from a seaweed-derived fungus, Aspergillus sp. SpD081030G1F1. <i>Journal of Antibiotics</i> , 2010 , 63, 389-91	3.7	13
145	A novel substance with TGF-beta like activity, diheteropeptin, produced by a fungus, Diheterospora sp. <i>Journal of Antibiotics</i> , 1997 , 50, 1058-60	3.7	13
144	A novel versipelostatin analogue, versipelostatin F isolated from Streptomyces versipellis 4083-SVS6. <i>Journal of Antibiotics</i> , 2008 , 61, 752-5	3.7	13
143	The telomerase inhibitor telomestatin induces telomere shortening and cell death in Arabidopsis. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2006 , 1763, 39-44	4.9	13
142	A novel neuronal cell protecting substance mescengricin produced by Streptomyces griseoflavus. <i>Journal of Asian Natural Products Research</i> , 2000 , 2, 121-32	1.5	13
141	tRNA-Dependent Aminoacylation of an Amino Sugar Intermediate in the Biosynthesis of a Streptothricin-Related Antibiotic. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 3640-8	4.8	13
140	The Amipurimycin and Miharamycin Biosynthetic Gene Clusters: Unraveling the Origins of 2-Aminopurinylyl Peptidyl Nucleoside Antibiotics. <i>Journal of the American Chemical Society</i> , 2019 , 141, 14152-14159	16.4	12
139	Synthesis of Spiromamakone A Benzo Analogues via Double Oxa-Michael Addition of 1,8-Dihydroxynaphthalene. <i>Organic Letters</i> , 2016 , 18, 4848-4851	6.2	12
138	Total synthesis and characterization of thielocin B1 as a protein-protein interaction inhibitor of PAC3 homodimer. <i>Chemical Science</i> , 2014 , 5, 1860-1868	9.4	12
137	Design and Synthesis of G-Quadruplex Ligands Bearing Macrocyclic Hexaoxazoles with Four-Way Side Chains. <i>Heterocycles</i> , 2012 , 84, 401	0.8	12
136	Construction of a natural product library containing secondary metabolites produced by actinomycetes. <i>Journal of Antibiotics</i> , 2012 , 65, 443-7	3.7	12
135	JBIR-137 and JBIR-138, new secondary metabolites from Aspergillus sp. fA75. <i>Journal of Antibiotics</i> , 2012 , 65, 535-8	3.7	12

134	Isolation and structure elucidation of tumescenamides A and B, two peptides produced by <i>Streptomyces tumescens</i> YM23-260. <i>Journal of Antibiotics</i> , 2010 , 63, 549-52	3.7	12
133	JBIR-17, a novel trichostatin analog from <i>Streptomyces</i> sp. 26634. <i>Journal of Antibiotics</i> , 2009 , 62, 283-5	3.7	12
132	Novel 24-membered macrolides, JBIR-19 and -20 isolated from <i>Metarhizium</i> sp. fE61. <i>Journal of Antibiotics</i> , 2009 , 62, 159-62	3.7	12
131	Screening and evaluation of new inhibitors of hepatic glucose production. <i>Journal of Antibiotics</i> , 2009 , 62, 625-9	3.7	12
130	New species of actinomycetes do not always produce new compounds with high frequency. <i>Journal of Antibiotics</i> , 2011 , 64, 699-701	3.7	12
129	Actinobacteria associated with the marine sponges <i>Cinachyra</i> sp., <i>Petrosia</i> sp., and <i>Ulosa</i> sp. and their culturability. <i>Microbes and Environments</i> , 2012 , 27, 99-104	2.6	12
128	Phenazostatin C, a new diphenazine with neuronal cell protecting activity from <i>Streptomyces</i> sp. <i>Journal of Antibiotics</i> , 1999 , 52, 758-61	3.7	12
127	Trichostatin D, a new inducer of phenotypic reversion in transformed cells. <i>Journal of Antibiotics</i> , 2000 , 53, 179-83	3.7	12
126	Complete genome sequence and expression profile of the commercial lytic enzyme producer <i>Lysobacter enzymogenes</i> M497-1. <i>DNA Research</i> , 2017 , 24, 169-177	4.5	11
125	New 2-(1 <i>H</i> -indole-3 <i>Q</i> -carbonyl)-thiazoles derived from the thermophilic bacterium <i>Thermosporothrix hazakensis</i> SK20-1(T). <i>Journal of Antibiotics</i> , 2015 , 68, 60-2	3.7	11
124	Novel aziridine-containing peptides MBJ-0034 and MBJ-0035 from <i>Streptosporangium</i> sp. 32552. <i>Journal of Antibiotics</i> , 2014 , 67, 577-80	3.7	11
123	A new 16-membered tetraene macrolide JBIR-100 from a newly identified <i>Streptomyces</i> species. <i>Journal of Antibiotics</i> , 2010 , 63, 627-9	3.7	11
122	Neuroprotectins A and B, bicyclohexapeptides protecting chick telencephalic neurons from excitotoxicity. II. Structure determination. <i>Journal of Antibiotics</i> , 2001 , 54, 1019-24	3.7	11
121	A novel neuronal cell protecting substance, espicufolin, produced by <i>Streptomyces</i> sp. cu39. <i>Journal of Antibiotics</i> , 1996 , 49, 947-8	3.7	11
120	In vitro Cas9-assisted editing of modular polyketide synthase genes to produce desired natural product derivatives. <i>Nature Communications</i> , 2020 , 11, 4022	17.4	11
119	Comprehensive Derivatization of Thioviridamides by Heterologous Expression. <i>ACS Chemical Biology</i> , 2019 , 14, 1135-1140	4.9	10
118	LUBAC accelerates B-cell lymphomagenesis by conferring resistance to genotoxic stress on B cells. <i>Blood</i> , 2020 , 136, 684-697	2.2	10
117	Methylbenzene-Containing Polyketides from a <i>Streptomyces</i> that Spontaneously Acquired Rifampicin Resistance: Structural Elucidation and Biosynthesis. <i>Journal of Natural Products</i> , 2016 , 79, 857-64	4.9	10

116	Discovery of an Antibacterial Isoindolinone-Containing Tetracyclic Polyketide by Cryptic Gene Activation and Characterization of Its Biosynthetic Gene Cluster. <i>ACS Chemical Biology</i> , 2018 , 13, 2615-2622	4.9	10
115	Cytotoxic sesquiterpenoids MBJ-0009 and MBJ-0010 from a saprobic fungus <i>Nectria</i> sp. f26111. <i>Journal of Antibiotics</i> , 2013 , 66, 567-9	3.7	10
114	Design and synthesis of 2-phenyl-1,4-dioxaspiro[4.5]deca-6,9-dien-8-ones as potential anticancer agents starting from cytotoxic spiromamakone A. <i>European Journal of Medicinal Chemistry</i> , 2013 , 66, 180-4	6.8	10
113	Asymmetric Total Synthesis of ent-Pyripyropene A. <i>Chemistry - A European Journal</i> , 2015 , 21, 9454-60	4.8	10
112	MBJ-0086 and MBJ-0087, new bicyclic depsipeptides, from <i>Sphaerisorangium</i> sp. 33226. <i>Journal of Antibiotics</i> , 2015 , 68, 67-70	3.7	10
111	Diversity of bacteria and polyketide synthase associated with marine sponge <i>Haliclona</i> sp.. <i>Annals of Microbiology</i> , 2014 , 64, 199-207	3.2	10
110	Proteomic and PROTEOMEX profiling of mammary cancer progression in a HER-2/neu oncogene-driven animal model system. <i>Proteomics</i> , 2010 , 10, 3835-53	4.8	10
109	Burkholone, a new cytotoxic antibiotic against IGF-I dependent cells from <i>Burkholderia</i> sp. <i>Journal of Antibiotics</i> , 2007 , 60, 713-6	3.7	10
108	Bysochlamysol, a new antitumor steroid against IGF-1-dependent cells from <i>Bysochlamys nivea</i> . I. Taxonomy, fermentation, isolation and biological activity. <i>Journal of Antibiotics</i> , 2003 , 56, 1-5	3.7	10
107	Gymnasterol, a new antitumor steroid against IGF-dependent cells from <i>Gymnascella dankaliensis</i> . <i>Tetrahedron Letters</i> , 2003 , 44, 1165-1166	2	10
106	Trapping effect of eugenol on hydroxyl radicals induced by L-DOPA in vitro. <i>Chemical and Pharmaceutical Bulletin</i> , 2005 , 53, 1167-70	1.9	10
105	Phoenistatin, a new gene expression-enhancing substance produced by <i>Acremonium fusigerum</i> . <i>Journal of Antibiotics</i> , 2001 , 54, 187-90	3.7	10
104	Quinolidomicins A1, A2 and B1, novel 60-membered macrolide antibiotics. I. Taxonomy, fermentation, isolation, physico-chemical properties and biological activity. <i>Journal of Antibiotics</i> , 1993 , 46, 1557-62	3.7	10
103	Nerfilin I, a novel microbial metabolite inducing neurite outgrowth of PC12 cells. <i>Journal of Antibiotics</i> , 1995 , 48, 1494-6	3.7	10
102	JBIR-150, a novel 20-membered polyene macrolactam from marine-derived <i>Streptomyces</i> sp. OPMA00071. <i>Journal of Antibiotics</i> , 2018 , 71, 390-392	3.7	9
101	JBIR-129 and -139, cytotoxic 34-membered polyol macrolides of microbial origin. <i>Journal of Natural Products</i> , 2012 , 75, 1814-8	4.9	9
100	A phenylacetylated peptide, JBIR-96, isolated from <i>Streptomyces</i> sp. RI051-SDHV6. <i>Journal of Natural Products</i> , 2011 , 74, 1344-7	4.9	9
99	New angucycline C-glycosides from <i>Streptomyces</i> sp. RI33. <i>Journal of Antibiotics</i> , 2011 , 64, 367-72	3.7	9

98	JBIR-83 and JBIR-84, new promothiocin derivatives, isolated from <i>Streptomyces</i> sp. RI19. <i>Journal of Antibiotics</i> , 2010 , 63, 405-8	3.7	9
97	A novel human dynactin-associated protein, dynAP, promotes activation of Akt, and ergosterol-related compounds induce dynAP-dependent apoptosis of human cancer cells. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 2934-42	6.1	9
96	JBIR-12, a novel antioxidative agent from <i>Penicillium</i> sp. NBRC 103941. <i>Journal of Antibiotics</i> , 2009 , 62, 177-80	3.7	9
95	Cytovaricin B, a new inhibitor of JAK-STAT signal transduction produced by <i>Streptomyces torulosus</i> . <i>Journal of Antibiotics</i> , 1997 , 50, 440-2	3.7	9
94	Adenopeptin, a new apoptosis inducer in transformed cells from <i>Chrysosporium</i> sp.. <i>Tetrahedron</i> , 1998 , 54, 15871-15878	2.4	9
93	A novel nuclear export inhibitor JBIR-02, a new piericidin discovered from <i>Streptomyces</i> sp. ML55. <i>Journal of Antibiotics</i> , 2007 , 60, 459-62	3.7	9
92	Oximidine III, a new antitumor antibiotic against transformed cells from <i>Pseudomonas</i> sp. II. Structure elucidation. <i>Journal of Antibiotics</i> , 2003 , 56, 905-8	3.7	9
91	N-Phenylacetylation and Nonribosomal Peptide Synthetases with Substrate Promiscuity for Biosynthesis of Heptapeptide Variants, JBIR-78 and JBIR-95. <i>ACS Chemical Biology</i> , 2017 , 12, 1813-1819	4.9	8
90	Characterization of the biosynthetic gene cluster for maklamicin, a spirotetronate-class antibiotic of the endophytic <i>Micromonospora</i> sp. NBRC 110955. <i>Microbiological Research</i> , 2015 , 180, 30-9	5.3	8
89	An Unprecedented Cyclization Mechanism in the Biosynthesis of Carbazole Alkaloids in <i>Streptomyces</i> . <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13349-13353	16.4	8
88	Actinopyrone D, a new downregulator of the molecular chaperone GRP78 from <i>Streptomyces</i> sp. <i>Journal of Antibiotics</i> , 2014 , 67, 831-4	3.7	8
87	JBIR-78 and JBIR-95: phenylacetylated peptides isolated from <i>Kibdelosporangium</i> sp. AK-AA56. <i>Journal of Natural Products</i> , 2012 , 75, 280-4	4.9	8
86	Human telomerase reverse transcriptase and glucose-regulated protein 78 increase the life span of articular chondrocytes and their repair potential. <i>BMC Musculoskeletal Disorders</i> , 2012 , 13, 51	2.8	8
85	Flaviogeranin, a new neuroprotective compound from <i>Streptomyces</i> sp. <i>Journal of Antibiotics</i> , 2010 , 63, 379-80	3.7	8
84	Design and Synthesis of Telomestatin Derivatives Containing Methyl Oxazole and Their G-Quadruplex Stabilizing Activities. <i>Heterocycles</i> , 2010 , 82, 1345	0.8	8
83	Mevashuntin, a novel metabolite produced by inhibition of the mevalonate pathway in <i>Streptomyces prunicolor</i> . <i>Tetrahedron Letters</i> , 2005 , 46, 1273-1276	2	8
82	Ammocidin, a new apoptosis inducer in Ras-dependent cells from <i>Saccharothrix</i> sp. I. Production, isolation and biological activity. <i>Journal of Antibiotics</i> , 2001 , 54, 710-3	3.7	8
81	Ammocidin, a new apoptosis inducer in ras-dependent cells from <i>Saccharothrix</i> sp. II. Physico-chemical properties and structure elucidation. <i>Journal of Antibiotics</i> , 2001 , 54, 714-7	3.7	8

80	Quinolidomycins A1, A2 and B1, novel 60-membered macrolide antibiotics. II. Structure elucidation. <i>Journal of Antibiotics</i> , 1993 , 46, 1563-9	3.7	8
79	Replication stress at microsatellites causes DNA double-strand breaks and break-induced replication. <i>Journal of Biological Chemistry</i> , 2020 , 295, 15378-15397	5.4	8
78	Identification of a chemical modulator of EZH2-mediated silencing by cell-based high-throughput screening assay. <i>Journal of Biochemistry</i> , 2019 , 166, 41-50	3.1	7
77	Isolation, structural elucidation and biosynthesis of 3-hydroxy-6-dimethylallylindolin-2-one, a novel prenylated indole derivative from <i>Actinoplanes missouriensis</i> . <i>Journal of Antibiotics</i> , 2014 , 67, 231-6	3.7	7
76	Novel arginine-containing peptides MBJ-0173 and MBJ-0174 from <i>Mortierella alpina</i> f28740. <i>Journal of Antibiotics</i> , 2017 , 70, 226-229	3.7	7
75	Isolation of 2 new naphthablin analogs, JBIR-79 and JBIR-80, from <i>Streptomyces</i> sp. RI24. <i>Journal of Antibiotics</i> , 2010 , 63, 729-31	3.7	7
74	Cinnatriacetins A and B, new antibacterial triacetylene derivatives from the fruiting bodies of <i>Fistulina hepatica</i> . <i>Journal of Antibiotics</i> , 1999 , 52, 578-81	3.7	7
73	A novel neuronal cell protecting substance, naphthomycinol, produced by <i>Streptomyces</i> sp. PF7. <i>Journal of Antibiotics</i> , 1996 , 49, 1172-4	3.7	7
72	Structure of Benthophoenin, a New Free Radical Scavenger Produced by <i>Streptomyces prunicolor</i> . <i>Journal of Natural Products</i> , 1993 , 56, 1255-1258	4.9	7
71	A new antifungal antibiotic, cystargin: fermentation, isolation, and characterization. <i>Journal of Antibiotics</i> , 1988 , 41, 1763-8	3.7	7
70	Novel macrolactam compound produced by the heterologous expression of a large cryptic biosynthetic gene cluster of <i>Streptomyces rochei</i> IFO12908. <i>Journal of Antibiotics</i> , 2020 , 73, 171-174	3.7	7
69	Involvement of the Baeyer-Villiger Monooxygenase IfnQ in the Biosynthesis of Isofuranonaphthoquinone Scaffold of JBIR-76 and -77. <i>ChemBioChem</i> , 2016 , 17, 1021-8	3.8	7
68	Inhibition of heat shock protein 90 destabilizes receptor tyrosine kinase ROR1 in lung adenocarcinoma. <i>Cancer Science</i> , 2021 , 112, 1225-1234	6.9	7
67	MBJ-0110, a novel cyclopeptide isolated from the fungus <i>Penicillium</i> sp. f25267. <i>Journal of Antibiotics</i> , 2016 , 69, 66-8	3.7	6
66	Unveiling the Biosynthetic Pathway of the Ribosomally Synthesized and Post-translationally Modified Peptide Ustiloxin B in Filamentous Fungi. <i>Angewandte Chemie</i> , 2016 , 128, 8204-8207	3.6	6
65	Curromycin A as a GRP78 downregulator and a new cyclic dipeptide from <i>Streptomyces</i> sp. <i>Journal of Antibiotics</i> , 2016 , 69, 187-8	3.7	6
64	JBIR-107, a new metabolite from the marine-sponge-derived actinomycete, <i>Streptomyces tateyamensis</i> NBRC 105047. <i>Bioscience, Biotechnology and Biochemistry</i> , 2013 , 77, 663-5	2.1	6
63	Diversity, Salt Requirement, and Antibiotic Production of Actinobacteria Isolated from Marine Sponges. <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 2010 , 24, 18-23		6

62	Synthesis of Macrocylic Hexaoxazole (6OTD) Dimers, Containing Guanidine and Amine Functionalized Side Chains, and an Evaluation of Their Telomeric G4 Stabilizing Properties. <i>Journal of Nucleic Acids</i> , 2010 , 2010,	2.3	6
61	JBIR-54, a new 4-pyridinone derivative isolated from <i>Penicillium daleae</i> Zaleski FE50. <i>Journal of Antibiotics</i> , 2009 , 62, 705-6	3.7	6
60	Total synthesis and structure elucidation of JBIR-39: a linear hexapeptide possessing piperazic acid and β -hydroxypiperazic acid residues. <i>Chemistry - A European Journal</i> , 2015 , 21, 3031-41	4.8	5
59	-Methylation of -adenosyl-L-Methionine Occurs Prior to Cyclopropanation in the Biosynthesis of 1-Amino-2-Methylcyclopropanecarboxylic Acid (Norcoronamic Acid) in a Bacterium. <i>Biomolecules</i> , 2020 , 10,	5.9	5
58	JBIR-76 and JBIR-77, modified naphthoquinones from <i>Streptomyces</i> sp. RI-77. <i>Journal of Antibiotics</i> , 2016 , 69, 707-8	3.7	5
57	NMR Spectroscopic Characterization of Inclusion Complexes of Theaflavin Digallate and Cyclodextrins. <i>Food Science and Technology Research</i> , 2014 , 20, 663-670	0.8	5
56	Naphthoquinone-like polyketide isolated from <i>Streptomyces</i> sp. RI-77 and its predicted biosynthetic pathway. <i>Journal of Natural Products</i> , 2011 , 74, 2588-91	4.9	5
55	JBIR-25, a novel antioxidative agent from <i>Hyphomycetes</i> sp. CR28109. <i>Journal of Antibiotics</i> , 2009 , 62, 703-4	3.7	5
54	JBIR-120: a new growth inhibitor of hormone-refractory prostate cancer cells. <i>Journal of Antibiotics</i> , 2012 , 65, 373-5	3.7	5
53	A neuronal cell protecting substance, 4-demethoxymichigazone, produced by <i>Streptomyces halstedii</i> . <i>Journal of Antibiotics</i> , 1996 , 49, 312-3	3.7	5
52	A chemical genomics-aggrephagy integrated method studying functional analysis of autophagy inducers. <i>Autophagy</i> , 2021 , 17, 1856-1872	10.2	5
51	Novel Plant-Associated Promotes Growth of Common Floating Aquatic Plants, Duckweeds. <i>Microorganisms</i> , 2021 , 9,	4.9	5
50	Structural and Functional Analyses of the Tridomain-Nonribosomal Peptide Synthetase FmoA3 for 4-Methyloxazoline Ring Formation. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14554-14562	16.4	5
49	Foxo3a Inhibitors of Microbial Origin, JBIR-141 and JBIR-142. <i>Organic Letters</i> , 2015 , 17, 5476-9	6.2	4
48	Identification, cloning and heterologous expression of biosynthetic gene cluster for desertomycin. <i>Journal of Antibiotics</i> , 2020 , 73, 650-654	3.7	4
47	Reconstitution of a Type II Polyketide Synthase that Catalyzes Polyene Formation. <i>Angewandte Chemie</i> , 2018 , 130, 1972-1975	3.6	4
46	New pyridone alkaloids JBIR-130, JBIR-131 and JBIR-132 from <i>Isaria</i> sp. NBRC 104353. <i>Journal of Antibiotics</i> , 2013 , 66, 235-8	3.7	4
45	Synthesis of Heptaaxazole Macrocylic Analogues of Telomestatin and Evaluation of Their Telomerase Inhibitory Activities. <i>Bulletin of the Chemical Society of Japan</i> , 2013 , 86, 1453-1465	5.1	4

44	Synthesis of potent G-quadruplex binders of macrocyclic heptaioxazole and evaluation of their activities. <i>Nucleic Acids Symposium Series</i> , 2009 , 231-2		4
43	Heterologous Expression of the Biosynthetic Gene Cluster for Verticilactam and Identification of Analogues. <i>Journal of Natural Products</i> , 2020 , 83, 3598-3605	4.9	4
42	Stereochemical Assignment of the Protein-Protein Interaction Inhibitor JBIR-22 by Total Synthesis. <i>Angewandte Chemie</i> , 2015 , 127, 4118-4122	3.6	3
41	Correction of the structure of cuevaene A and its identity with MBJ-0020 from <i>Streptomyces</i> sp. 30503. <i>Journal of Antibiotics</i> , 2013 , 66, 563-5	3.7	3
40	JBIR-14, a highly oxygenated ergostane, from <i>Isaria</i> sp. NBRC 104353. <i>Journal of Antibiotics</i> , 2010 , 63, 139-41	3.7	3
39	G-quadruplex recognition by macrocyclic hexaoxazole (6OTD) dimer. <i>Nucleic Acids Symposium Series</i> , 2009 , 233-4		3
38	Total Synthesis of Largazole and Its Biological Evaluation. <i>Synlett</i> , 2008 , 2008, 2483-2486	2.2	3
37	Dereplication of <i>Streptomyces</i> Strains by Automated Southern Hybridization with a Polyketide Synthase Gene Probe. <i>Nihon Hosenkin Gakkai Shi = Actinomycetologica</i> , 2010 , 24, 66-69		3
36	Development of Macrocyclic Polyoxazoles and Evaluation of Their G-Quadruplex Stabilizing Activities. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2011 , 69, 129-139	0.2	3
35	Identification of functional cytochrome P450 and ferredoxin from <i>Streptomyces</i> sp. EAS-AB2608 by transcriptional analysis and their heterologous expression. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 4177-4187	5.7	3
34	Synthesis and biological evaluation of thielocin B1 analogues as protein-protein interaction inhibitors of PAC3 homodimer. <i>Bioorganic and Medicinal Chemistry</i> , 2018 , 26, 6023-6034	3.4	3
33	Characterization of Giant Modular PKSs Provides Insight into Genetic Mechanism for Structural Diversification of Aminopolyol Polyketides. <i>Angewandte Chemie</i> , 2017 , 129, 1766-1771	3.6	2
32	Establishment of the absolute configuration of the 34-membered polyol macrolide compound JBIR-129. <i>Journal of Antibiotics</i> , 2014 , 67, 419-20	3.7	2
31	A new furaquinocin derivative, JBIR-136, from <i>Streptomyces</i> sp. 4963H2. <i>Journal of Antibiotics</i> , 2012 , 65, 579-81	3.7	2
30	New tensidols, JBIR-86 and JBIR-87, isolated from <i>Aspergillus</i> sp. FJ80. <i>Journal of Antibiotics</i> , 2010 , 63, 371-3	3.7	2
29	An Unusual Extender Unit Is Incorporated into the Modular Polyketide Synthase of Scopranones Biosynthesis. <i>Biochemistry</i> , 2019 , 58, 5066-5073	3.2	2
28	Solid-liquid Interface Screening System? Application to the Screening of Antibiotic and Cytotoxic Substance-producing Fungi. <i>Biocontrol Science</i> , 2019 , 24, 47-56	1.5	1
27	Synthesis of marine oxylipin topsentolide A1 and its stereoisomers, and determination of the absolute configuration of the natural product. <i>Tetrahedron</i> , 2015 , 71, 8436-8443	2.4	1

26	Neocurromycin A, a new GRP78 downregulator from <i>Streptomyces</i> sp. RAI364. <i>Journal of Antibiotics</i> , 2020 , 73, 790-793	3.7	1
25	Functional analysis of methyltransferases participating in streptothricin-related antibiotic biosynthesis. <i>Journal of Bioscience and Bioengineering</i> , 2018 , 125, 148-154	3.3	1
24	JBIR-69, a new metabolite from <i>Streptomyces</i> sp. OG05. <i>Journal of Antibiotics</i> , 2010 , 63, 95-6	3.7	1
23	Stawamycin analog, JBIR-11 from <i>Streptomyces viridochromogenes</i> subsp. <i>sulfomycini</i> NBRC 13830. <i>Journal of Antibiotics</i> , 2008 , 61, 326-9	3.7	1
22	JBIR-26, a novel natural compound from <i>Streptomyces</i> sp. AK-AH76, regulates mammalian circadian clock. <i>Journal of Antibiotics</i> , 2008 , 61, 756-8	3.7	1
21	A novel neuronal cell protecting substance, halxazone, produced by <i>Streptomyces halstedii</i> . <i>Journal of Antibiotics</i> , 2002 , 55, 508-10	3.7	1
20	JBIR-155, a Specific Class D β -Lactamase Inhibitor of Microbial Origin. <i>Organic Letters</i> , 2021 , 23, 4415-4418	3.2	1
19	Pseudoalteropeptide A, a novel lipopeptide from the marine bacterium <i>Pseudoalteromonas piscicida</i> SWA4_PA4 isolated from marine seaweed. <i>Journal of Antibiotics</i> , 2021 , 74, 105-110	3.7	1
18	Stable G-quadruplex DNA structures promote replication-dependent genome instability.. <i>Journal of Biological Chemistry</i> , 2022 , 101947	5.4	1
17	Guanidyl modification of the 1-azabicyclo[3.1.0]hexane ring in ficellomycin essential for its biological activity. <i>Organic and Biomolecular Chemistry</i> , 2020 , 18, 5137-5144	3.9	0
16	New phenylspirodrimane metabolites MBJ-0030, MBJ-0031, and MBJ-0032 isolated from the soil fungal strain sp. f23793. <i>Bioscience, Biotechnology and Biochemistry</i> , 2020 , 84, 1570-1575	2.1	0
15	An Unprecedented Cyclization Mechanism in the Biosynthesis of Carbazole Alkaloids in <i>Streptomyces</i> . <i>Angewandte Chemie</i> , 2019 , 131, 13483-13487	3.6	0
14	Draft Genome Sequence of Strain F-183.. <i>Microbiology Resource Announcements</i> , 2022 , 11, e0045321	1.3	0
13	Dunaimycin C3, a new GRP78 downregulator from <i>Streptomyces</i> sp. RAN389. <i>Journal of Antibiotics</i> , 2021 , 74, 76-79	3.7	0
12	Chemical targeting of G-quadruplexes in telomeres and beyond for molecular cancer therapeutics. <i>Journal of Antibiotics</i> , 2021 , 74, 617-628	3.7	0
11	Phenotypic screening system using three-dimensional (3D) culture models for natural product screening. <i>Journal of Antibiotics</i> , 2021 , 74, 660-666	3.7	0
10	Complete Genome Sequence of sp. Strain TBR-22.. <i>Microbiology Resource Announcements</i> , 2022 , 11, e0045521	1.5	0
9	A highly oxygenated ergostane--MBJ-0005--from <i>Anthostomella eucalyptorum</i> f25427. <i>Journal of Antibiotics</i> , 2014 , 67, 843-5	3.7	

- 8 Two novel decanedienamide derivatives, JBIR-07 and -08, from *Streptomyces versipellis* 4083-SVS6. *Natural Product Research*, **2009**, 23, 1337-41 2.3
- 7 Telomerase Inhibition with a Novel G-Quadruplex-Interactive Agent, Telomestatin: In Vitro and In Vivo Studies in Acute Leukemia.. *Blood*, **2004**, 104, 3391-3391 2.2
- 6 A novel methymycin analog, 12-ketomethymycin N-oxide, produced by the heterologous expression of the large pikromycin/methymycin biosynthetic gene cluster of *Streptomyces* sp. AM4900. *Bioscience, Biotechnology and Biochemistry*, **2021**, 85, 890-894 2.1
- 5 Growth Suppressing Activity of Lhx2 in Human T Cell Acute Lymphoblastic Leukemia (T-ALL)-Derived Cells and Large-Scale Screening of a Lead Compounds Targeting T-ALL. *Blood*, **2016**, 128, 2813-2813 2.2
- 4 Fanconi Anemia Group J Mutation Abolishes its DNA Repair Function by Uncoupling DNA Translocation from Helicase Activity. *FASEB Journal*, **2010**, 24, lb40 0.9
- 3 Hemiacetal-less rapamycin derivatives designed and produced by genetic engineering of a type I polyketide synthase. *Scientific Reports*, **2021**, 11, 9944 4.9
- 2 Structural and Functional Analyses of the Tridomain-Nonribosomal Peptide Synthetase FmoA3 for 4-Methyloxazoline Ring Formation. *Angewandte Chemie*, **2021**, 133, 14675-14683 3.6
- 1 A novel oxazole-containing tetraene compound, JBIR-159, produced by heterologous expression of the cryptic trans-AT type polyketide synthase biosynthetic gene cluster. *Journal of Antibiotics*, **2021**, 74, 354-358 3.7