

Marcel Jaspars

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

237
papers

8,319
citations

45
h-index

80
g-index

280
ext. papers

9,492
ext. citations

5.5
avg, IF

5.73
L-index

#	Paper	IF	Citations
237	The Hidden Treasure: Marine Microbiome as Repository of Bioactive Compounds. <i>The Microbiomes of Humans, Animals, Plants, and the Environment</i> , 2022 , 693-729		
236	Loss of Gramicidin Biosynthesis in Gram-Positive Biocontrol Bacterium <i>Aneurinibacillus migulanus</i> (Takagi et al., 1993) Shida et al. 1996 Emend Heyndrickx et al., 1997 Nagano Impairs Its Biological Control Ability of <i>Phytophthora</i> . <i>Forests</i> , 2022 , 13, 535	2.8	1
235	Heavy Metals, Proximate Analysis and Brine Shrimp Lethality of and Growing in Crude Oil-Rich Delta State, Nigeria.. <i>Foods</i> , 2021 , 10,	4.9	1
234	Biotechnological and Ecological Potential of sp. nov., a Gifted Strain Isolated from the Challenger Deep of the Mariana Trench. <i>Marine Drugs</i> , 2021 , 19,	6	4
233	Dermacozine N, the First Natural Linear Pentacyclic Oxazinophenazine with UV-Vis Absorption Maxima in the Near Infrared Region, along with Dermacozines O and P Isolated from the Mariana Trench Sediment Strain MT 1.1. <i>Marine Drugs</i> , 2021 , 19,	6	2
232	Iron-mediated fungal starvation by lupine rhizosphere-associated and extremotolerant <i>Streptomyces</i> sp. S29 desferrioxamine production. <i>Molecular Omics</i> , 2021 , 17, 95-107	4.4	3
231	Unlocking the potential of marine biodiscovery. <i>Natural Product Reports</i> , 2021 , 38, 1235-1242	15.1	6
230	Isolation and characterization of new phenolic siderophores with antimicrobial properties from sp. UIAU-6B. <i>Beilstein Journal of Organic Chemistry</i> , 2021 , 17, 2390-2398	2.5	1
229	Antiviral drug discovery: preparing for the next pandemic. <i>Chemical Society Reviews</i> , 2021 , 50, 3647-3655	8.5	50
228	Whole genome sequencing of four bacterial strains from South Shetland Trench revealing biosynthetic and environmental adaptation gene clusters. <i>Marine Genomics</i> , 2020 , 54, 100782	1.9	6
227	A tiered approach to the marine genetic resource governance framework under the proposed UNCLOS agreement for biodiversity beyond national jurisdiction (BBNJ). <i>Marine Policy</i> , 2020 , 122, 103910	3.5	9
226	Structure-Based Design, Synthesis and Bioactivity of a New Anti-TNF α Cyclopeptide. <i>Molecules</i> , 2020 , 25,	4.8	5
225	Novel South African Rare Actinomycete Strain SK5: A Prolific Producer of Hydroxamate Siderophores Including New Dehydroxylated Congeners. <i>Molecules</i> , 2020 , 25,	4.8	4
224	Whole Genome Sequence of MT1.1 Isolated from the Challenger Deep of the Mariana Trench Reveals Phenazine Biosynthesis Locus and Environmental Adaptation Factors. <i>Marine Drugs</i> , 2020 , 18,	6	9
223	Downsizing Class II Lasso Peptides: Genome Mining-Guided Isolation of Huascopeptin Containing the First Gly1-Asp7 Macrocycle. <i>Journal of Organic Chemistry</i> , 2020 , 85, 1661-1667	4.2	8
222	A cell-based assay system for activators of the environmental cell stress response. <i>Analytical Biochemistry</i> , 2020 , 592, 113583	3.1	1
221	Making NorthSouth Collaborations Work: Facilitating Natural Product Drug Discovery in Africa. <i>Sustainable Development Goals Series</i> , 2020 , 257-266	0.5	2

220	Antiparasitic Activity of Bromotyrosine Alkaloids and New Analogues Isolated from the Fijian Marine Sponge <i>Aplysinella rhax</i> . <i>Chemistry and Biodiversity</i> , 2020 , 17, e2000335	2.5	5
219	Cutting the Gordian knot: early and complete amino acid sequence confirmation of class II lasso peptides by HCD fragmentation. <i>Journal of Antibiotics</i> , 2020 , 73, 772-779	3.7	3
218	Heterologous Expression of a Cryptic Gene Cluster from <i>Streptomyces leeuwenhoekii</i> C34 Yields a Novel Lasso Peptide, LEEPPTIN. <i>Applied and Environmental Microbiology</i> , 2019 , 85,	4.8	14
217	Inclusive innovation: Enhancing global participation in and benefit sharing linked to the utilization of marine genetic resources from areas beyond national jurisdiction. <i>Marine Policy</i> , 2019 , 109, 103696	3.5	8
216	Simplified immunosuppressive and neuroprotective agents based on gracilin A. <i>Nature Chemistry</i> , 2019 , 11, 342-350	17.6	23
215	Uncovering the potential of novel micromonosporae isolated from an extreme hyper-arid Atacama Desert soil. <i>Scientific Reports</i> , 2019 , 9, 4678	4.9	16
214	LC-HRMS-Database Screening Metrics for Rapid Prioritization of Samples to Accelerate the Discovery of Structurally New Natural Products. <i>Journal of Natural Products</i> , 2019 , 82, 211-220	4.9	10
213	β-D-Glucopyranosyl-(1-β)-[6-O-(L-tryptophanyl)-β-D-fructofuranoside]. <i>MolBank</i> , 2019 , 2019, M1066	0.5	1
212	Amphidinol 22, a New Cytotoxic and Antifungal Amphidinol from the Dinoflagellate. <i>Marine Drugs</i> , 2019 , 17,	6	40
211	Paenidigamycin G: 1-Acetyl-2,4-dimethyl-3-phenethyl-1H-imidazol-3-ium. <i>MolBank</i> , 2019 , 2019, M1094	0.5	2
210	Diglycylindoleacetic acid A: 2-(1-(4-Hydroxyphenyl)-3-oxobut-1-en-2-yloxy)-3-(1H-indol-3-yl)propanoic Acid, a Novel Indole Alkaloid. <i>MolBank</i> , 2019 , 2019, M1080	0.5	2
209	Legonoxamines A-B, two new hydroxamate siderophores from the soil bacterium, <i>Streptomyces</i> sp. MA37. <i>Tetrahedron Letters</i> , 2019 , 60, 75-79	2	14
208	Zebrafish-Based Discovery of Antiseizure Compounds from the Red Sea: Pseurotin A and Azaspirofurans A. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 1652-1662	5.7	22
207	Asenjonamides A-C, antibacterial metabolites isolated from <i>Streptomyces asenjonii</i> strain KNN 42.f from an extreme-hyper arid Atacama Desert soil. <i>Journal of Antibiotics</i> , 2018 , 71, 425-431	3.7	25
206	Natural product diversity of actinobacteria in the Atacama Desert. <i>Antonie Van Leeuwenhoek</i> , 2018 , 111, 1467-1477	2.1	24
205	Mare Geneticum: Balancing Governance of Marine Genetic Resources in International Waters. <i>International Journal of Marine and Coastal Law</i> , 2018 , 33, 3-33	0.8	10
204	The <i>Cryptococcus neoformans</i> Titan cell is an inducible and regulated morphotype underlying pathogenesis. <i>PLoS Pathogens</i> , 2018 , 14, e1006978	7.6	69
203	Hyphenated LC-ICP-MS/ESI-MS identification of halogenated metabolites in South African marine ascidian extracts. <i>South African Journal of Chemistry</i> , 2018 , 71, 111-117	1.8	4

202	Paenidigyamycin A, Potent Antiparasitic Imidazole Alkaloid from the Ghanaian sp. DE2SH. <i>Marine Drugs</i> , 2018 , 17,	6	13
201	Antibiotics from Deep-Sea Microorganisms: Current Discoveries and Perspectives. <i>Marine Drugs</i> , 2018 , 16,	6	59
200	Isolation and anti-HIV-1 integrase activity of lentzeosides A-F from extremotolerant <i>lentzea</i> sp. H45, a strain isolated from a high-altitude Atacama Desert soil. <i>Journal of Antibiotics</i> , 2017 , 70, 448-453	3.7	23
199	Synthesis of Hybrid Cyclopeptides through Enzymatic Macrocyclization. <i>ChemistryOpen</i> , 2017 , 6, 11-14	2.3	22
198	A Blind Test of Computational Technique for Predicting the Likelihood of Peptide Sequences to Cyclize. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2310-2315	6.4	6
197	Targeted Dereplication of Microbial Natural Products by High-Resolution MS and Predicted LC Retention Time. <i>Journal of Natural Products</i> , 2017 , 80, 1370-1377	4.9	22
196	Pseudochelin A, a siderophore of <i>Pseudoalteromonas piscicida</i> S2040. <i>Tetrahedron</i> , 2017 , 73, 2633-2637	2.4	10
195	Cyclic peptide production using a macrocyclase with enhanced substrate promiscuity and relaxed recognition determinants. <i>Chemical Communications</i> , 2017 , 53, 10656-10659	5.8	12
194	Increased Biological Activity of Strains Correlates with the Production of New Gramicidin Secondary Metabolites. <i>Frontiers in Microbiology</i> , 2017 , 8, 517	5.7	21
193	Dual Induction of New Microbial Secondary Metabolites by Fungal Bacterial Co-cultivation. <i>Frontiers in Microbiology</i> , 2017 , 8, 1284	5.7	82
192	New cytotoxic callipeltins from the Solomon Island marine sponge <i>Asteropus</i> sp.. <i>Tetrahedron</i> , 2016 , 72, 6929-6934	2.4	14
191	Structure of the cyanobactin oxidase ThcOx from <i>Cyanothece</i> sp. PCC 7425, the first structure to be solved at Diamond Light Source beamline I23 by means of S-SAD. <i>Acta Crystallographica Section D: Structural Biology</i> , 2016 , 72, 1174-1180	5.5	20
190	A Unique Tryptophan C-Prenyltransferase from the Kawaguchipeptin Biosynthetic Pathway. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3596-9	16.4	34
189	A Unique Tryptophan C-Prenyltransferase from the Kawaguchipeptin Biosynthetic Pathway. <i>Angewandte Chemie</i> , 2016 , 128, 3660-3663	3.6	6
188	Harpulliasides A and B: Two new benzeneacetic acid derivatives from <i>Harpullia pendula</i> . <i>Phytochemistry Letters</i> , 2016 , 15, 131-135	1.9	6
187	Strain-level diversity of secondary metabolism in the biocontrol species <i>Aneurinibacillus migulanus</i> . <i>Microbiological Research</i> , 2016 , 182, 116-24	5.3	22
186	Evaluation of the Antioxidant Activity of the Marine Pyrroloiminoquinone Makaluvamines. <i>Marine Drugs</i> , 2016 , 14,	6	8
185	Secondary Metabolites, Promising Modulators of Immune Response through CD147 Receptor Modulation. <i>Frontiers in Immunology</i> , 2016 , 7, 452	8.4	9

184	Antimicrobial Activity of Monoramnholipids Produced by Bacterial Strains Isolated from the Ross Sea (Antarctica). <i>Marine Drugs</i> , 2016 , 14,	6	34
183	Enzymatic Macrocyclization of 1,2,3-Triazole Peptide Mimetics. <i>Angewandte Chemie</i> , 2016 , 128, 5936-5939	3.6	19
182	Enzymatic Macrocyclization of 1,2,3-Triazole Peptide Mimetics. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 5842-5	16.4	43
181	Accurate quantification of modified cyclic peptides without the need for authentic standards. <i>Tetrahedron</i> , 2016 , 72, 8603-8609	2.4	3
180	The marine biodiscovery pipeline and ocean medicines of tomorrow. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016 , 96, 151-158	1.1	106
179	Identification of Spongionella compounds as cyclosporine A mimics. <i>Pharmacological Research</i> , 2016 , 107, 407-414	10.2	13
178	The Catalytic Mechanism of the Marine-Derived Macrocyclase PatGmac. <i>Chemistry - A European Journal</i> , 2016 , 22, 13089-97	4.8	15
177	Gracilins: Spongionella-derived promising compounds for Alzheimer disease. <i>Neuropharmacology</i> , 2015 , 93, 285-93	5.5	45
176	Aspiperidine oxide, a piperidine N-oxide from the filamentous fungus <i>Aspergillus indologenus</i> . <i>Tetrahedron Letters</i> , 2015 , 56, 1847-1850	2	2
175	Polymeric alkylpyridinium salts permit intracellular delivery of human Tau in rat hippocampal neurons: requirement of Tau phosphorylation for functional deficits. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 4613-32	10.3	6
174	Legonaridin, a new member of linaridin RiPP from a Ghanaian <i>Streptomyces</i> isolate. <i>Organic and Biomolecular Chemistry</i> , 2015 , 13, 9585-92	3.9	28
173	Structural analysis of leader peptide binding enables leader-free cyanobactin processing. <i>Nature Chemical Biology</i> , 2015 , 11, 558-563	11.7	112
172	Chaxapeptin, a Lasso Peptide from Extremotolerant <i>Streptomyces leeuwenhoekii</i> Strain C58 from the Hyperarid Atacama Desert. <i>Journal of Organic Chemistry</i> , 2015 , 80, 10252-60	4.2	72
171	<i>Commiphora gileadensis</i> sap extract induces cell cycle-dependent death in immortalized keratinocytes and human dermoid carcinoma cells. <i>Journal of Herbal Medicine</i> , 2015 , 5, 199-206	2.3	12
170	The <i>Streptomyces</i> metabolite anhydroexfoliamycin ameliorates hallmarks of Alzheimer's disease in vitro and in vivo. <i>Neuroscience</i> , 2015 , 305, 26-35	3.9	22
169	Draft Genome Sequence of <i>Streptomyces</i> sp. Strain CT34, Isolated from a Ghanaian Soil Sample. <i>Genome Announcements</i> , 2015 , 3,		5
168	Scalarane sesterterpenes from the Egyptian Red Sea sponge <i>Phyllospongia lamellosa</i> . <i>Tetrahedron</i> , 2015 , 71, 577-583	2.4	16
167	Bromoalkaloids protect primary cortical neurons from induced oxidative stress. <i>ACS Chemical Neuroscience</i> , 2015 , 6, 331-8	5.7	13

166	Diversity of organic structures of marine microbial origin with drug potential 2015 , 361-380		1
165	Discovery of a Single Monooxygenase that Catalyzes Carbamate Formation and Ring Contraction in the Biosynthesis of the Legonmycins. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12697-701	16.4	35
164	Spongionella Secondary Metabolites Regulate Store Operated Calcium Entry Modulating Mitochondrial Functioning in SH-SY5Y Neuroblastoma Cells. <i>Cellular Physiology and Biochemistry</i> , 2015 , 37, 779-92	3.9	12
163	Biosynthesis of Neocarazostatin A Reveals the Sequential Carbazole Prenylation and Hydroxylation in the Tailoring Steps. <i>Chemistry and Biology</i> , 2015 , 22, 1633-42		24
162	Draft Genome Sequence of Aneurinibacillus migulanus Strain Nagano. <i>Genome Announcements</i> , 2015 , 3,		10
161	Draft Genome Sequence of Aneurinibacillus migulanus NCTC 7096. <i>Genome Announcements</i> , 2015 , 3,		11
160	Anticancer effects of bioactive berry compounds. <i>Phytochemistry Reviews</i> , 2014 , 13, 295-322	7.7	70
159	Dermacozines H-J isolated from a deep-sea strain of Dermacoccus abyssi from Mariana Trench sediments. <i>Journal of Natural Products</i> , 2014 , 77, 416-20	4.9	39
158	Microbiology: a talented genus. <i>Nature</i> , 2014 , 506, 38-9	50.4	14
157	Mitigation of ROS insults by Streptomyces secondary metabolites in primary cortical neurons. <i>ACS Chemical Neuroscience</i> , 2014 , 5, 71-80	5.7	23
156	Almiramide D, cytotoxic peptide from the marine cyanobacterium Oscillatoria nigroviridis. <i>Bioorganic and Medicinal Chemistry</i> , 2014 , 22, 6789-95	3.4	13
155	The origins of cyanobactin chemistry and biology. <i>Chemical Communications</i> , 2014 , 50, 10174-6	5.8	14
154	Access to and use of marine genetic resources: understanding the legal framework. <i>Natural Product Reports</i> , 2014 , 31, 612-6	15.1	23
153	Isolation and synthesis of pulmonarins A and B, acetylcholinesterase inhibitors from the colonial ascidian Synoicum pulmonaria. <i>Journal of Natural Products</i> , 2014 , 77, 364-9	4.9	28
152	An Efficient Method for the In Vitro Production of Azol(in)e-Based Cyclic Peptides. <i>Angewandte Chemie</i> , 2014 , 126, 14395-14398	3.6	8
151	Spongionella secondary metabolites protect mitochondrial function in cortical neurons against oxidative stress. <i>Marine Drugs</i> , 2014 , 12, 700-18	6	29
150	Butremycin, the 3-hydroxyl derivative of ikarugamycin and a protonated aromatic tautomer of 5'-methylthioinosine from a Ghanaian Micromonospora sp. K310. <i>Marine Drugs</i> , 2014 , 12, 999-1012	6	36
149	Butrepyrazinone, a new pyrazinone with an unusual methylation pattern from a Ghanaian Verrucosipora sp. K51G. <i>Marine Drugs</i> , 2014 , 12, 5197-208	6	20

148	Decorosides A and B, Cytotoxic Flavonoid Glycosides from the Leaves of <i>Rhododendron decorum</i> . <i>Natural Product Communications</i> , 2014 , 9, 1934578X1400900	0.9	2
147	The structural biology of patellamide biosynthesis. <i>Current Opinion in Structural Biology</i> , 2014 , 29, 112-121	11.1	29
146	An efficient method for the in vitro production of azol(in)e-based cyclic peptides. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 14171-4	16.4	45
145	Disruption of a methyltransferase gene in actinomycin G gene cluster in <i>Streptomyces iakyrus</i> increases the production of phenazinomycin. <i>FEMS Microbiology Letters</i> , 2014 , 352, 62-8	2.9	6
144	The structure of the cyanobactin domain of unknown function from PatG in the patellamide gene cluster. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , 2014 , 70, 1597-603	1.1	13
143	Identification and characterization of the actinomycin G gene cluster in <i>Streptomyces iakyrus</i> . <i>Molecular BioSystems</i> , 2013 , 9, 1286-9		13
142	Induction of diverse secondary metabolites in <i>Aspergillus fumigatus</i> by microbial co-culture. <i>RSC Advances</i> , 2013 , 3, 14444	3.7	86
141	Nivetetracyclates A and B: novel compounds isolated from <i>Streptomyces niveus</i> . <i>Organic Letters</i> , 2013 , 15, 5762-5	6.2	7
140	Ribosomally synthesized and post-translationally modified peptide natural products: overview and recommendations for a universal nomenclature. <i>Natural Product Reports</i> , 2013 , 30, 108-60	15.1	1298
139	An enzymatic route to selenazolines. <i>ChemBioChem</i> , 2013 , 14, 564-7	3.8	22
138	Tianchimycins AB, 16-membered macrolides from the rare actinomycete <i>Saccharothrix xinjiangensis</i> . <i>Tetrahedron</i> , 2013 , 69, 6060-6064	2.4	18
137	The Cyanobactin Heterocyclase Enzyme: A Processive Adenylase That Operates with a Defined Order of Reaction. <i>Angewandte Chemie</i> , 2013 , 125, 14241-14246	3.6	15
136	Structure of PatF from <i>Prochloron didemni</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013 , 69, 618-23		26
135	The fish pathogen <i>Yersinia ruckeri</i> produces holomycin and uses an RNA methyltransferase for self-resistance. <i>Journal of Biological Chemistry</i> , 2013 , 288, 14688-97	5.4	26
134	The cyanobactin heterocyclase enzyme: a processive adenylase that operates with a defined order of reaction. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 13991-6	16.4	78
133	New nodulopeptins from <i>Nodularia spumigena</i> KAC 66. <i>Tetrahedron</i> , 2012 , 68, 1622-1628	2.4	6
132	A Combined Atomic Force Microscopy and Computational Approach for the Structural Elucidation of Breitfussin A and B: Highly Modified Halogenated Dipeptides from <i>Thuiaria breitfussi</i> . <i>Angewandte Chemie</i> , 2012 , 124, 12404-12407	3.6	10
131	A combined atomic force microscopy and computational approach for the structural elucidation of breitfussin A and B: highly modified halogenated dipeptides from <i>Thuiaria breitfussi</i> . <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 12238-41	16.4	76

130	The discovery of new cyanobactins from Cyanothecce PCC 7425 defines a new signature for processing of patellamides. <i>ChemBioChem</i> , 2012 , 13, 2683-9	3.8	35
129	Fluorine speciation analysis using reverse phase liquid chromatography coupled off-line to continuum source molecular absorption spectrometry (CS-MAS): identification and quantification of novel fluorinated organic compounds in environmental and biological samples. <i>Analytical Chemistry</i> , 2012 , 84, 6213-9	7.8	42
128	Contemporary Strategies in Natural Products Structure Elucidation 2012 , 423-517		1
127	Marine Metabolites and Metal Ion Chelation 2012 , 861-892		6
126	Isolation of marine natural products. <i>Methods in Molecular Biology</i> , 2012 , 864, 367-92	1.4	10
125	Antimicrobial antioxidant daucane sesquiterpenes from <i>Ferula hermonis</i> Boiss. <i>Phytotherapy Research</i> , 2012 , 26, 579-86	6.7	38
124	Defence response of Sitka spruce before and after inoculation with <i>Heterobasidion annosum</i> : 1H NMR fingerprinting of bark and sapwood metabolites. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 3333-44	4.4	3
123	Triterpenoid saponins from <i>Ferula hermonis</i> Boiss. <i>Biochemical Systematics and Ecology</i> , 2012 , 40, 86-90	1.4	6
122	Antifungal and antibacterial activity of 3-alkylpyridinium polymeric analogs of marine toxins. <i>International Biodeterioration and Biodegradation</i> , 2012 , 68, 71-77	4.8	17
121	The mechanism of patellamide macrocyclization revealed by the characterization of the PatG macrocyclase domain. <i>Nature Structural and Molecular Biology</i> , 2012 , 19, 767-72	17.6	117
120	Biomedicinals from the Microbial Metagenomes of Marine Invertebrates 2011 , 517-544		
119	Chaxamycins A-D, bioactive ansamycins from a hyper-arid desert <i>Streptomyces</i> sp. <i>Journal of Natural Products</i> , 2011 , 74, 1491-9	4.9	98
118	The antibacterial ent-eusynstyelamide B and eusynstyelamides D, E, and F from the Arctic bryozoan <i>Tegella</i> cf. <i>spitzbergensis</i> . <i>Journal of Natural Products</i> , 2011 , 74, 837-41	4.9	31
117	Diverse metabolic profiles of a <i>Streptomyces</i> strain isolated from a hyper-arid environment. <i>Journal of Natural Products</i> , 2011 , 74, 1965-71	4.9	105
116	Synoxazolidinone C; a bicyclic member of the synoxazolidinone family with antibacterial and anticancer activities. <i>Tetrahedron Letters</i> , 2011 , 52, 1804-1806	2	47
115	Organic structure determination using atomic-resolution scanning probe microscopy. <i>Nature Chemistry</i> , 2010 , 2, 821-5	17.6	260
114	Synoxazolidinones A and B: novel bioactive alkaloids from the ascidian <i>Synoicum pulmonaria</i> . <i>Organic Letters</i> , 2010 , 12, 4752-5	6.2	78
113	Dermacozines, a new phenazine family from deep-sea dermacocci isolated from a Mariana Trench sediment. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 2352-62	3.9	103

112	Dibenzofurans from the marine sponge-derived ascomycete Super1F1-09. <i>Botanica Marina</i> , 2010 , 53,	1.8	15
111	Chemical synthesis and biological activities of 3-alkyl pyridinium polymeric analogues of marine toxins. <i>Journal of Chemical Biology</i> , 2010 , 3, 113-25		17
110	Photosynthetic marine organisms as a source of anticancer compounds. <i>Phytochemistry Reviews</i> , 2010 , 9, 557-579	7.7	43
109	Heteronemin, a spongean sesterterpene, inhibits TNF alpha-induced NF-kappa B activation through proteasome inhibition and induces apoptotic cell death. <i>Biochemical Pharmacology</i> , 2010 , 79, 610-22	6	73
108	Marine natural products targeting phospholipases A2. <i>Biochemical Pharmacology</i> , 2010 , 80, 1793-800	6	38
107	Azole-based cyclic peptides from the sea squirt <i>Lissoclinum patella</i> : old scaffolds, new avenues. <i>ChemBioChem</i> , 2010 , 11, 1803-15	3.8	44
106	Solution structure of the leader sequence of the patellamide precursor peptide, PatE1-34. <i>ChemBioChem</i> , 2010 , 11, 1867-73	3.8	21
105	Inside Cover: Azole-Based Cyclic Peptides from the Sea Squirt <i>Lissoclinum Patella</i> : Old Scaffolds, New Avenues (<i>ChemBioChem</i> 13/2010). <i>ChemBioChem</i> , 2010 , 11, 1790-1790	3.8	
104	Laurefurenynes AB, new Cyclic Ether Acetogenins from a Marine Red Alga, <i>Laurencia</i> sp.. <i>Tetrahedron</i> , 2010 , 66, 2855-2862	2.4	34
103	Realizing the potential of marine biotechnology: CHALLENGES & OPPORTUNITIES. <i>Industrial Biotechnology</i> , 2009 , 5, 77-83	1.3	11
102	The inhibition of TNF-alpha-induced NF-kappaB activation by marine natural products. <i>Biochemical Pharmacology</i> , 2009 , 78, 592-606	6	39
101	Study of the diversity of culturable actinomycetes in the North Pacific and Caribbean coasts of Costa Rica. <i>Antonie Van Leeuwenhoek</i> , 2009 , 96, 71-8	2.1	13
100	New iodotyramine derivatives from <i>Didemnum rubeum</i> . <i>Tetrahedron</i> , 2009 , 65, 7482-7486	2.4	14
99	Bioactive diterpene derivatives from the marine sponge <i>Spongionella</i> sp. <i>Journal of Natural Products</i> , 2009 , 72, 1471-6	4.9	44
98	Novel bioactive metabolites from a marine derived bacterium <i>Nocardia</i> sp. ALAA 2000. <i>Journal of Antibiotics</i> , 2008 , 61, 379-86	3.7	65
97	Marine natural products as targeted modulators of the transcription factor NF-kappaB. <i>Biochemical Pharmacology</i> , 2008 , 75, 603-17	6	77
96	Novel Screen for Investigating In Situ Rhizosphere Production of the Antibiotic 2,4-Diacetylphloroglucinol by Bacterial Inocula. <i>Communications in Soil Science and Plant Analysis</i> , 2008 , 39, 1720-1732	1.5	4
95	NF-kappaB-inhibiting naphthopyrones from the Fijian echinoderm <i>Comanthus parvicirrus</i> . <i>Journal of Natural Products</i> , 2008 , 71, 106-11	4.9	34

94	Marine metabolites and metal ion chelation: intact recovery and identification of an iron(II) complex in the extract of the ascidian Eudistoma gilboviride. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8090-2	16.4	12
93	Marine Metabolites and Metal Ion Chelation: Intact Recovery and Identification of an Iron(II) Complex in the Extract of the Ascidian Eudistoma gilboviride. <i>Angewandte Chemie</i> , 2008 , 120, 8210-8212 ^{3,6}		
92	Density functional theory studies of oxygen and carbonate binding to a dicopper patellamide complex. <i>Journal of Inorganic Biochemistry</i> , 2008 , 102, 2171-8	4.2	12
91	Bioactivity of two Turkish endemic <i>Centaurea</i> species, and their major constituents. <i>Revista Brasileira De Farmacognosia</i> , 2007 , 17, 155-159	2	8
90	Two Salonenolide Derivatives from the Aerial Parts of <i>Centaurea Gigantea</i> Inhibit the Growth of Colorectal Cancer Cells in Vitro. <i>Natural Product Communications</i> , 2007 , 2, 1934578X0700200	0.9	5
89	Predicting the nature and timing of epimerisation on a modular polyketide synthase. <i>ChemBioChem</i> , 2007 , 8, 28-31	3.8	16
88	Pentavalent arsenic can bind to biomolecules. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 2594-2604	16.4	67
87	Pentavalent Arsenic Can Bind to Biomolecules. <i>Angewandte Chemie</i> , 2007 , 119, 2648-2651	3.6	14
86	Screening seeds of some Scottish plants for free radical scavenging activity. <i>Phytotherapy Research</i> , 2007 , 21, 615-21	6.7	157
85	Anti-colon cancer potential of phenolic compounds from the aerial parts of <i>Centaurea gigantea</i> (Asteraceae). <i>Journal of Natural Medicines</i> , 2007 , 61, 164-169	3.3	36
84	ROUNDTABLE DISCUSSION: Contributions of marine bioscience to industrial biotechnology. <i>Industrial Biotechnology</i> , 2007 , 3, 304-313	1.3	1
83	Biomedicinals from the phytosymbionts of marine invertebrates: a molecular approach. <i>Methods</i> , 2007 , 42, 358-76	4.6	66
82	Extracts of <i>Centaurea bornmuelleri</i> and <i>Centaurea huber-morathii</i> inhibit the growth of colon cancer cells in vitro. <i>Oriental Pharmacy and Experimental Medicine</i> , 2007 , 7, 336-340	2	5
81	Biomedical research tools from the seabed. <i>Current Opinion in Drug Discovery & Development</i> , 2007 , 10, 145-52		4
80	Inhibition of TNF α -induced activation of nuclear factor kappaB by kava (<i>Piper methysticum</i>) derivatives. <i>Biochemical Pharmacology</i> , 2006 , 71, 1206-18	6	78
79	New methods for medicinal chemistry--universal gene cloning and expression systems for production of marine bioactive metabolites. <i>Current Medicinal Chemistry</i> , 2006 , 13, 697-710	4.3	12
78	Spontaneity in the patellamide biosynthetic pathway. <i>Organic and Biomolecular Chemistry</i> , 2006 , 4, 631-8	8.9	45
77	Acute actions of marine toxin latrunculin A on the electrophysiological properties of cultured dorsal root ganglion neurones. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2006 , 142, 19-29	3.2	10

76	Bioactivity of Hirsutanolol, Oregonin and Genkwanin, Isolated from the Seeds of <i>Alnus Glutinosa</i> (Betulaceae). <i>Natural Product Communications</i> , 2006 , 1, 1934578X0600100	0.9	1
75	Hederacine A and Hederacine B from <i>Glechoma hederaceae</i> Inhibit the Growth of Colorectal Cancer Cells in vitro. <i>Natural Product Communications</i> , 2006 , 1, 1934578X0600100	0.9	3
74	A pyridinium derivative from Red Sea soft corals inhibited voltage-activated potassium conductances and increased excitability of rat cultured sensory neurones. <i>BMC Pharmacology</i> , 2006 , 6, 10		21
73	Pore forming polyalkylpyridinium salts from marine sponges versus synthetic lipofection systems: distinct tools for intracellular delivery of cDNA and siRNA. <i>BMC Biotechnology</i> , 2006 , 6, 6	3.5	20
72	Identification of novel inhibitors of UDP-Glc 4'-epimerase, a validated drug target for african sleeping sickness. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006 , 16, 5744-7	2.9	32
71	Americanin, a bioactive dibenzylbutyrolactone lignan, from the seeds of <i>Centaurea americana</i> . <i>Phytochemistry</i> , 2006 , 67, 2370-5	4	32
70	A homologous series of eunicellin-based diterpenes from <i>Acalygiorgia</i> sp. characterised by tandem mass spectrometry. <i>Tetrahedron</i> , 2006 , 62, 8770-8778	2.4	18
69	Montamine, a unique dimeric indole alkaloid, from the seeds of <i>Centaurea montana</i> (Asteraceae), and its in vitro cytotoxic activity against the CaCo2 colon cancer cells. <i>Tetrahedron</i> , 2006 , 62, 11172-11177	7.4	67
68	4-Hydroxybenzoyl derivative from the aqueous extract of the hydroid <i>Campanularia</i> sp. <i>Journal of Natural Products</i> , 2005 , 68, 453-5	4.9	10
67	Conformational studies of free and Li ⁺ complexed jasplakinolide, a cyclic depsipeptide from the Fijian marine sponge <i>Jaspis splendens</i> . <i>Organic and Biomolecular Chemistry</i> , 2005 , 3, 745-9	3.9	11
66	Isolation, structure elucidation and bioactivity of schischkiniin, a unique indole alkaloid from the seeds of <i>Centaurea schischkini</i> . <i>Tetrahedron</i> , 2005 , 61, 9001-9006	2.4	77
65	Shotgun cloning and heterologous expression of the patellamide gene cluster as a strategy to achieving sustained metabolite production. <i>ChemBioChem</i> , 2005 , 6, 1760-5	3.8	150
64	Comparative studies on biological activities of <i>Prunus padus</i> and <i>P. spinosa</i> . <i>Phytotherapy Research</i> , 2004 , 75, 77-80	3.2	14
63	Epoxy lignans from the seeds of <i>Centaurea cyanus</i> (Asteraceae). <i>Biochemical Systematics and Ecology</i> , 2004 , 32, 1201-1204	1.4	19
62	Isolation, Structure Elucidation, and Biological Activity of Flavone 6-C-Glycosides from <i>Alliaria petiolata</i> . <i>Chemistry of Natural Compounds</i> , 2004 , 40, 122-128	0.7	54
61	2-Dimethylarsinothioyl acetic acid identified in a biological sample: the first occurrence of a mammalian arsiniothioyl metabolite. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 337-40	16.4	81
60	2-Dimethylarsinothioyl Acetic Acid Identified in a Biological Sample: The First Occurrence of a Mammalian Arsiniothioyl Metabolite. <i>Angewandte Chemie</i> , 2004 , 116, 341-344	3.6	20
59	Arsenic-glutathione complexes: their stability in solution and during separation by different HPLC modes. <i>Journal of Analytical Atomic Spectrometry</i> , 2004 , 19, 183-190	3.7	100

58	Arsinothioyl-sugars produced by in vitro incubation of seaweed extract with liver cytosol analysed by HPLC coupled simultaneously to ES-MS and ICP-MS. <i>Analyst, The</i> , 2004 , 129, 1058-64	5	39
57	Sulfur-containing arsenical mistaken for dimethylarsinous acid [DMA(III)] and identified as a natural metabolite in urine: major implications for studies on arsenic metabolism and toxicity. <i>Chemical Research in Toxicology</i> , 2004 , 17, 1086-91	4	139
56	2D NMR spectroscopic analyses of archangelicin from the seeds of <i>Angelica archangelica</i> . <i>Acta Pharmaceutica</i> , 2004 , 54, 277-85	3.2	14
55	Biological Activity of Lignans from the Seeds of <i>Centaurea scabiosa</i> . <i>Pharmaceutical Biology</i> , 2003 , 41, 203-206	3.8	18
54	Elevated microcystin and nodularin levels in cyanobacteria growing in spent medium of <i>Planktothrix agardhii</i> . <i>Archiv Für Hydrobiologie</i> , 2003 , 158, 541-550		8
53	Biological activity of <i>Euonymus europaeus</i> . <i>Fitoterapia</i> , 2003 , 74, 305-7	3.2	11
52	Dibenzylbutyrolactone lignans and indole alkaloids from the seeds of <i>Centaurea nigra</i> (Asteraceae). <i>Biochemical Systematics and Ecology</i> , 2003 , 31, 653-656	1.4	20
51	Bioactivity of secoiridoid glycosides from <i>Centaurium erythraea</i> . <i>Phytomedicine</i> , 2003 , 10, 344-7	6.5	113
50	Processes influencing surface interaction and photocatalytic destruction of microcystins on titanium dioxide photocatalysts. <i>Journal of Catalysis</i> , 2003 , 213, 109-113	7.3	95
49	Acid-induced dimerisation of 1,2-di(thien-2-yl)ethanone. <i>Tetrahedron</i> , 2003 , 59, 4153-4155	2.4	
48	Isolation, structure elucidation and biological activity of hederacine A and B, two unique alkaloids from <i>Glechoma hederaceae</i> . <i>Tetrahedron</i> , 2003 , 59, 6403-6407	2.4	33
47	Further studies of [(haloalkylstannyl)alkyl]phosphine oxides. Structures of bis[2-(bromodimethylstannyl)ethyl]phenylphosphine oxide and t-butyl[3-(iododimethylstannyl)propyl]phenylphosphine oxide. <i>Polyhedron</i> , 2003 , 22, 3277-3288	2.7	4
46	A mixed crystal of imperatorin and phellopterin, with C-H...O, C-H...pi and pi-pi interactions. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2003 , 59, o520-2		4
45	An anomalous racemate of naringenin at 120 K. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2003 , 59, o46-o48		6
44	Irreversible and reversible pore formation by polymeric alkylpyridinium salts (poly-APS) from the sponge <i>Reniera sarai</i> . <i>British Journal of Pharmacology</i> , 2003 , 139, 1399-408	8.6	25
43	Bioactive Flavonoid Glycosides from the Seeds of <i>Rosa canina</i> . <i>Pharmaceutical Biology</i> , 2003 , 41, 237-242	3.8	29
42	The influence of alkyl pyridinium sponge toxins on membrane properties, cytotoxicity, transfection and protein expression in mammalian cells. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003 , 1614, 171-81	3.8	28
41	Chlorinated C12 fatty acid metabolites from the red alga <i>Gracilaria verrucosa</i> . <i>Journal of Natural Products</i> , 2003 , 66, 1509-11	4.9	2

40	Biological activity of <i>Glechoma hederacea</i> . <i>Phytotherapy Research</i> , 2002 , 73, 721-3	3.2	17
39	Psammaplin A, a chitinase inhibitor isolated from the Fijian marine sponge <i>Aplysinella rhax</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2002 , 10, 1123-8	3.4	86
38	Axinellin C, a proline-rich cyclic octapeptide isolated from the Fijian marine sponge <i>Stylotella aurantium</i> . <i>Tetrahedron</i> , 2002 , 58, 7863-7868	2.4	33
37	Purealidin S and purpuramine J, bromotyrosine alkaloids from the Fijian marine sponge <i>Druinella</i> sp. <i>Journal of Natural Products</i> , 2002 , 65, 1798-801	4.9	34
36	Two distinct conformers of the cyclic heptapeptide phakellistatin 2 isolated from the fujian marine sponge <i>stylotellaaurantium</i> . <i>Journal of Organic Chemistry</i> , 2002 , 67, 8593-601	4.2	25
35	Conformational change in the thiazole and oxazoline containing cyclic octapeptides, the patellamides. Part 2. Solvent dependent conformational change. <i>Perkin Transactions II RSC</i> , 2002 , 1076-1080		14
34	Conformational change in the thiazole and oxazoline containing cyclic octapeptides, the patellamides. Part 1. Cu ²⁺ and Zn ²⁺ induced conformational change. <i>Perkin Transactions II RSC</i> , 2002 , 1072-1075		25
33	Novel activities of saliva from the octopus <i>Eledone cirrhosa</i> (Mollusca; Cephalopoda). <i>Toxicon</i> , 2002 , 40, 677-83	2.8	16
32	Screening seeds of Scottish plants for antibacterial activity. <i>Journal of Ethnopharmacology</i> , 2002 , 83, 73-7	5	101
31	S-Benzyl-L-cysteine. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001 , 57, o535-o537		4
30	(R)-1,3-Thiazolidin-3-ium-4-carboxylate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2001 , 57, o697-o699		3
29	Wainunuamide, a histidine-containing proline-rich cyclic heptapeptide isolated from the Fijian marine sponge <i>Stylotella aurantium</i> . <i>Tetrahedron Letters</i> , 2001 , 42, 9273-9276	2	33
28	Indole alkaloids from the seeds of <i>Centaurea cyanus</i> (Asteraceae). <i>Phytochemistry</i> , 2001 , 57, 1273-6	4	56
27	Metal binding of <i>Lissoclinum patella</i> metabolites. Part 1: Patellamides A, C and ulithiacyclamide A. <i>Tetrahedron</i> , 2001 , 57, 3185-3197	2.4	49
26	Metal binding of <i>Lissoclinum patella</i> metabolites. Part 2: Lissoclinamides 9 and 10. <i>Tetrahedron</i> , 2001 , 57, 3199-3207	2.4	32
25	Stelliferin riboside, a triterpene monosaccharide isolated from the Fijian sponge <i>Geodia globostellifera</i> . <i>Journal of Natural Products</i> , 2001 , 64, 813-5	4.9	25
24	Structure Determination and MSn Analysis of Two New <i>Lissoclinum patella</i> : NOE Restrainted Molecular Dynamics Confirms the Absolute Stereochemistry Derived by Degradative Methods. <i>Tetrahedron</i> , 2000 , 56, 8345-8353	2.4	35
23	Glutathione-dependent conversion of N-ethylmaleimide to the maleamic acid by <i>Escherichia coli</i> : an intracellular detoxification process. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 1393-9	4.8	26

22	A Bioactive Modified Peptide, Aeruginosamide, Isolated from the Cyanobacterium. <i>Journal of Organic Chemistry</i> , 1999 , 64, 5329-5332	4.2	30
21	Detoxification of Microcystins (Cyanobacterial Hepatotoxins) Using TiO ₂ Photocatalytic Oxidation. <i>Environmental Science & Technology</i> , 1999 , 33, 771-775	10.3	120
20	Computer assisted structure elucidation of natural products using two-dimensional NMR spectroscopy. <i>Natural Product Reports</i> , 1999 , 16, 241-248	15.1	51
19	Tough time for taxonomy. <i>Nature</i> , 1998 , 394, 413-413	50.4	1
18	The capnellenes revisited: New structures and new biological activity. <i>Tetrahedron</i> , 1998 , 54, 12953-12958	58.4	18
17	Processes influencing the destruction of microcystin-LR by TiO ₂ photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1998 , 116, 215-219	4.7	22
16	A bioactive secoesterol with an unusual A- and B-ring oxygenation pattern isolated from an Indonesian soft coral Lobophytum sp. <i>Journal of Natural Products</i> , 1998 , 61, 538-41	4.9	39
15	Cyanobacteria - a novel source of pharmaceuticals. <i>Current Opinion in Drug Discovery & Development</i> , 1998 , 1, 77-84		10
14	Syntheses and structures of 3-stannylcholest-5-ene species. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997 , 3657-3664		3
13	Using scalarane sesterterpenes to examine a sponge taxonomic anomaly. <i>Journal of Natural Products</i> , 1997 , 60, 556-61	4.9	23
12	The cyclonenierins, sesquiterpenoid quinols from the sponge Haliclona sp. collected in Vanuatu. <i>Journal of Natural Products</i> , 1995 , 58, 609-12	4.9	8
11	The search for inosine 5'-Phosphate dehydrogenase (IMPDH) inhibitors from marine sponges. Evaluation of the bastadin alkaloids. <i>Tetrahedron</i> , 1994 , 50, 7367-7374	2.4	45
10	A triterpene tetrasaccharide, formoside, from the Caribbean Choristida sponge Erylus formosus. <i>Tetrahedron Letters</i> , 1994 , 35, 7501-7504	2	31
9	1,2,3,4-tetrahydro-8-hydroxymanzamines, alkaloids from two different haplosclerid sponges. <i>Tetrahedron</i> , 1994 , 50, 13567-13574	2.4	46
8	Penazetidine A, an alkaloid inhibitor of protein kinase C. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1994 , 4, 2447-2450	2.9	46
7	A tetracyclic diamine alkaloid, halicyclamine A, from the marine sponge Haliclona sp. <i>Journal of Organic Chemistry</i> , 1994 , 59, 3253-3255	4.2	86
6	Ruthenium-catalyzed hydroborations of alkenes. <i>Organometallics</i> , 1993 , 12, 4197-4200	3.8	42
5	Hydroboration reactions mediated by bis(mesityl)niobium: Beware of the trojan horse. <i>Tetrahedron Letters</i> , 1993 , 34, 6813-6816	2	21

4	Catalysis of the Addition of Allyltrimethylsilane to Aldehydes by Silylating Agents. Me ₃ SiB(OTf) ₄ , a New, Supersilylating Reagent. <i>Angewandte Chemie International Edition in English</i> , 1992 , 31, 470-471	30
3	Superacid catalysis of the addition of allylsilanes to carbonyl compounds. <i>Journal of the Chemical Society Chemical Communications</i> , 1990 , 1176	12
2	Bringing access and benefit sharing into the digital age. <i>Plants People Planet</i> ,	4.1 4
1	How can a new UN ocean treaty change the course of capacity building?. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> ,	2.6 1