

George R Pettit

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218
papers

11,026
citations

52
h-index

94
g-index

221
ext. papers

11,642
ext. citations

5
avg. IF

5.45
L-index

#	Paper	IF	Citations
218	Isolation and structure of bryostatin 1. <i>Journal of the American Chemical Society</i> , 1982 , 104, 6846-6848	16.4	601
217	The isolation and structure of a remarkable marine animal antineoplastic constituent: dolastatin 10. <i>Journal of the American Chemical Society</i> , 1987 , 109, 6883-6885	16.4	484
216	Antimitotic natural products combretastatin A-4 and combretastatin A-2: studies on the mechanism of their inhibition of the binding of colchicine to tubulin. <i>Biochemistry</i> , 1989 , 28, 6984-91	3.2	394
215	Antineoplastic agents. 291. Isolation and synthesis of combretastatins A-4, A-5, and A-6(1a). <i>Journal of Medicinal Chemistry</i> , 1995 , 38, 1666-72	8.3	329
214	Isolation, structure, and synthesis of combretastatins A-1 and B-1, potent new inhibitors of microtubule assembly, derived from <i>Combretum caffrum</i> . <i>Journal of Natural Products</i> , 1987 , 50, 119-31	4.9	276
213	Antineoplastic agents. 257. Isolation and structure of spongistatin 1. <i>Journal of Organic Chemistry</i> , 1993 , 58, 1302-1304	4.2	261
212	Microplate Alamar blue assay for <i>Staphylococcus epidermidis</i> biofilm susceptibility testing. <i>Antimicrobial Agents and Chemotherapy</i> , 2005 , 49, 2612-7	5.9	237
211	Antineoplastic agents. 379. Synthesis of phenstatin phosphate. <i>Journal of Medicinal Chemistry</i> , 1998 , 41, 1688-95	8.3	211
210	Antiviral (RNA) activity of selected Amaryllidaceae isoquinoline constituents and synthesis of related substances. <i>Journal of Natural Products</i> , 1992 , 55, 1569-81	4.9	202
209	Isolation and structure of combretastatin. <i>Canadian Journal of Chemistry</i> , 1982 , 60, 1374-1376	0.9	194
208	Isolation and structure of the cell growth inhibitory constituents from the western Pacific marine sponge <i>Axinella</i> sp. <i>Journal of Medicinal Chemistry</i> , 1991 , 34, 3339-40	8.3	167
207	Antineoplastic agents, 120. <i>Pancratium littorale</i> . <i>Journal of Natural Products</i> , 1986 , 49, 995-1002	4.9	163
206	Total synthesis and biological evaluation of Amaryllidaceae alkaloids: narciclasine, ent-7-deoxypancratistatin, regioisomer of 7-deoxypancratistatin, 10b-epi-deoxypancratistatin, and truncated derivatives. <i>Journal of Organic Chemistry</i> , 2002 , 67, 8726-43	4.2	160
205	Antineoplastic agents. 465. Structural modification of resveratrol: sodium resverastatin phosphate. <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 2534-42	8.3	158
204	Antineoplastic agents. Part 189. The absolute configuration and synthesis of natural (-)-dolastatin 10. <i>Journal of the American Chemical Society</i> , 1989 , 111, 5463-5465	16.4	155
203	Antineoplastic components of marine animals. <i>Nature</i> , 1970 , 227, 962-3	50.4	149
202	Antineoplastic agents. 445. Synthesis and evaluation of structural modifications of (Z)- and (E)-combretastatin A-41. <i>Journal of Medicinal Chemistry</i> , 2005 , 48, 4087-99	8.3	148

201	Isolation and structure of the cytostatic linear depsipeptide dolastatin 15. <i>Journal of Organic Chemistry</i> , 1989 , 54, 6005-6006	4.2	140
200	Antineoplastic agents. 147. Isolation and structure of the powerful cell growth inhibitor cephalostatin 1. <i>Journal of the American Chemical Society</i> , 1988 , 110, 2006-2007	16.4	139
199	Isolation of dolastatins 1015 from the marine mollusc. <i>Tetrahedron</i> , 1993 , 49, 9151-9170	2.4	132
198	Progress in the discovery of biosynthetic anticancer drugs. <i>Journal of Natural Products</i> , 1996 , 59, 812-21	4.9	128
197	Antineoplastic agents. 520. Isolation and structure of irciniastatins A and B from the Indo-Pacific marine sponge <i>Ircinia ramosa</i> . <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 1149-52	8.3	124
196	Antineoplastic agents, 256. Cell growth inhibitory isocarbostryls from <i>Hymenocallis</i> . <i>Journal of Natural Products</i> , 1993 , 56, 1682-7	4.9	113
195	Antineoplastic agents 338. The cancer cell growth inhibitory. Constituents of <i>Terminalia arjuna</i> (Combretaceae). <i>Journal of Ethnopharmacology</i> , 1996 , 53, 57-63	5	100
194	Isolation and structure of five new cancer cell growth inhibitory bufadienolides from the Chinese traditional drug Ch _Q n Su. <i>Journal of Natural Products</i> , 2001 , 64, 1148-52	4.9	98
193	Antineoplastic agents. 443. Synthesis of the cancer cell growth inhibitor hydroxyphenstatin and its sodium diphosphate prodrug. <i>Journal of Medicinal Chemistry</i> , 2000 , 43, 2731-7	8.3	97
192	: Isolation and structure of halistatin 1 from the eastern Indian Ocean marine sponge <i>Phakellia carteri</i> . <i>Journal of Organic Chemistry</i> , 1993 , 58, 2538-2543	4.2	97
191	Antineoplastic agents 430. Isolation and structure of cribrostatins 3, 4, and 5 from the republic of maldives cribrochalina species. <i>Journal of Natural Products</i> , 2000 , 63, 793-8	4.9	93
190	Antineoplastic agents, 105. <i>Zephyranthes grandiflora</i> . <i>Journal of Natural Products</i> , 1984 , 47, 1018-20	4.9	91
189	Isolation and structure of pancratistatin. <i>Journal of the Chemical Society Chemical Communications</i> , 1984 , 1693		91
188	QSAR evaluation of the Ch _Q n Su and related bufadienolides against the colchicine-resistant primary liver carcinoma cell line PLC/PRF/5(1). <i>Journal of Medicinal Chemistry</i> , 2002 , 45, 5440-7	8.3	84
187	Antineoplastic agents. 450. Synthesis of (+)-pancratistatin from (+)-narciclasine as relay(1a). <i>Journal of Organic Chemistry</i> , 2001 , 66, 2583-7	4.2	79
186	Isolation, structure, and synthesis of combretastatin A-2, A-3, and B-2. <i>Canadian Journal of Chemistry</i> , 1987 , 65, 2390-2396	0.9	79
185	Antineoplastic agents. 3. Structure of the cyclic peptide dolastatin 3 from <i>Dolabella auricularia</i> . <i>Journal of the American Chemical Society</i> , 1982 , 104, 905-907	16.4	75
184	Marine animal biosynthetic constituents for cancer chemotherapy. <i>Journal of Natural Products</i> , 1981 , 44, 482-5	4.9	74

183	Isolation and structure of ruprechstyril from <i>Ruprechtia tangarana</i> . <i>Journal of Natural Products</i> , 2003 , 66, 1065-9	4.9	72
182	Synthesis and biological activity of some structural modifications of pancratistatin. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 2911-5	2.9	70
181	Antineoplastic agents. 551. Isolation and structures of bauhiniastatins 1-4 from <i>Bauhinia purpurea</i> . <i>Journal of Natural Products</i> , 2006 , 69, 323-7	4.9	69
180	Studies directed towards the refinement of the pancratistatin cytotoxic pharmacophore. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001 , 11, 169-72	2.9	69
179	Synthesis and biological evaluation of aryl azide derivatives of combretastatin A-4 as molecular probes for tubulin. <i>Bioorganic and Medicinal Chemistry</i> , 2000 , 8, 2417-25	3.4	68
178	Antineoplastic agents, 162. <i>Zephyranthes candida</i> . <i>Journal of Natural Products</i> , 1990 , 53, 176-8	4.9	68
177	Antineoplastic agents, 99. <i>Amaryllis belladonna</i> . <i>Journal of Natural Products</i> , 1984 , 47, 796-801	4.9	67
176	Antineoplastic agents. 410. Asymmetric hydroxylation of trans-combretastatin A-4. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 1459-65	8.3	66
175	Design, synthesis, and biological evaluation of combretastatin nitrogen-containing derivatives as inhibitors of tubulin assembly and vascular disrupting agents. <i>Bioorganic and Medicinal Chemistry</i> , 2006 , 14, 3231-44	3.4	64
174	Antineoplastic agents. 485. Isolation and structure of cribrostatin 6, a dark blue cancer cell growth inhibitor from the marine sponge <i>Cribrorhynchia</i> sp. <i>Journal of Natural Products</i> , 2003 , 66, 544-7	4.9	64
173	Isolation and structure of the marine sponge cell growth inhibitory cyclic peptide phakellistatin 1. <i>Journal of Natural Products</i> , 1993 , 56, 260-7	4.9	64
172	The Dolastatins. 17. Synthesis of Dolaproine and Related Diastereoisomers. <i>Journal of Organic Chemistry</i> , 1994 , 59, 6287-6295	4.2	59
171	Antineoplastic agents. 206. Structure of the cytostatic macrocyclic lactone combretastatin D-2. <i>Journal of Organic Chemistry</i> , 1990 , 55, 2797-2800	4.2	57
170	Isolation of labradorins 1 and 2 from <i>Pseudomonas syringae</i> pv. <i>coronafaciens</i> . <i>Journal of Natural Products</i> , 2002 , 65, 1793-7	4.9	56
169	Field ionization mass spectrometryIII: Cardenolides. <i>Organic Mass Spectrometry</i> , 1971 , 5, 573-597		56
168	Antineoplastic Agents. 277. Isolation and Structure of Phakellistatin 3 and Isophakellistatin 3 from a Republic of Comoros Marine Sponge. <i>Journal of Organic Chemistry</i> , 1994 , 59, 1593-1595	4.2	55
167	Antineoplastic agents. 487. Synthesis and biological evaluation of the antineoplastic agent 3,4-methylenedioxy-5,4-dimethoxy-3-amino-Z-stilbene and derived amino acid amides. <i>Journal of Medicinal Chemistry</i> , 2003 , 46, 525-31	8.3	54
166	The marine product cephalostatin 1 activates an endoplasmic reticulum stress-specific and apoptosome-independent apoptotic signaling pathway. <i>Journal of Biological Chemistry</i> , 2006 , 281, 33078-86	5.4	52

165	Isolation and structural modification of 7-deoxynarciclasine and 7-deoxy-trans-dihydronarciclasine. <i>Journal of Natural Products</i> , 2006 , 69, 7-13	4.9	52
164	Isolation and structure of a 20,21-epoxybufenolide series from "Ch@n Su". <i>Journal of Natural Products</i> , 2002 , 65, 1001-5	4.9	52
163	Antineoplastic agents, 325. Isolation and structure of the human cancer cell growth inhibitory cyclic octapeptides phakellistatin 10 and 11 from Phakellia sp. <i>Journal of Natural Products</i> , 1995 , 58, 961-5	4.9	51
162	Antitumour evaluation of dolastatins 10 and 15 and their measurement in plasma by radioimmunoassay. <i>Cancer Chemotherapy and Pharmacology</i> , 1996 , 38, 225-32	3.5	51
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160	Cephalostatin 1 selectively triggers the release of Smac/DIABLO and subsequent apoptosis that is characterized by an increased density of the mitochondrial matrix. <i>Cancer Research</i> , 2003 , 63, 8869-76	10.1	51
159	Isolation and structure of the human cancer cell growth inhibitory cyclodepsipeptide dolastatin 16. <i>Journal of Natural Products</i> , 1997 , 60, 752-4	4.9	50
158	Antineoplastic Agents 293. The Exceptional Human Cancer Cell Growth Inhibitors Spongistatins 6 and 7. <i>Natural Product Research</i> , 1993 , 3, 239-244		49
157	Antineoplastic agents. 398. Isolation and structure elucidation of cephalostatins 18 and 19. <i>Journal of Natural Products</i> , 1998 , 61, 955-8	4.9	48
156	Preclinical evaluation of the antitumour activity of the novel vascular targeting agent Oxi 4503. <i>Anticancer Research</i> , 2002 , 22, 1453-8	2.3	48
155	Isolation and structures of schleicherastatins 1-7 and schleicheols 1 and 2 from the teak forest medicinal tree <i>Schleichera oleosa</i> . <i>Journal of Natural Products</i> , 2000 , 63, 72-8	4.9	47
154	Antineoplastic agents. 113. Synthesis of natural (-)-combretastatin. <i>Journal of Organic Chemistry</i> , 1985 , 50, 3404-3406	4.2	47
153	Isolation and Crystal Structure of Stylopeptide 1, A New Marine Porifera Cycloheptapeptide. <i>Journal of Organic Chemistry</i> , 1995 , 60, 8257-8261	4.2	45
152	Antineoplastic agents. 527. Synthesis of 7-deoxynarcistatin, 7-deoxy-trans-dihydronarcistatin, and trans-dihydronarcistatin 1(1). <i>Journal of Natural Products</i> , 2005 , 68, 207-11	4.9	44
151	Isolation and structure of the unusual Indian Ocean Cephalodiscusgilchristi components, cephalostatins 5 and 6. <i>Canadian Journal of Chemistry</i> , 1989 , 67, 1509-1513	0.9	43
150	Antineoplastic agents. 454. Synthesis of the strong cancer cell growth inhibitors trans-dihydronarciclasine and 7-deoxy-trans-dihydronarciclasine (1a). <i>Journal of Natural Products</i> , 2009 , 72, 1279-82	4.9	42
149	Antineoplastic Agents. 510. Isolation and structure of dolastatin 19 from the Gulf of California sea hare <i>Dolabella auricularia</i> . <i>Journal of Natural Products</i> , 2004 , 67, 1252-5	4.9	42
148	Antineoplastic agents. 214. Isolation and structure of cephalostatins 7-9. <i>Journal of Organic Chemistry</i> , 1992 , 57, 429-431	4.2	42

- 147 Synthesis of a 2-aryl-3-aryl indole salt (OXi8007) resembling combretastatin A-4 with application as a vascular disrupting agent. *Journal of Natural Products*, **2013**, 76, 1668-78 4.9 4¹
- 146 Dolastatins. 26. Synthesis and Stereochemistry of Dolastatin 111a. *Journal of the American Chemical Society*, **1997**, 119, 2111-2113 16.4 4¹
- 145 Antineoplastic agents. 536. New sources of naturally occurring cancer cell growth inhibitors from marine organisms, terrestrial plants, and microorganisms(1a.). *Journal of Natural Products*, **2008**, 71, 438-44 4.9 4¹
- 144 Antineoplastic agents. 168. Isolation and structure of axinohydantoin. *Canadian Journal of Chemistry*, **1990**, 68, 1621-1624 0.9 4¹
- 143 Field ionization mass spectrometry of Nucleosides. *Organic Mass Spectrometry*, **1969**, 2, 521-531 4¹
- 142 Antineoplastic agents. 542. Isolation and structure of sesterstatin 6 from the Indian Ocean sponge *Hirtios erecta*. *Journal of Natural Products*, **2005**, 68, 1253-5 4.9 4⁰
- 141 Isolation and structure of palstatin from the Amazon tree *Hymenaea palustris*(1). *Journal of Natural Products*, **2003**, 66, 259-62 4.9 4⁰
- 140 Cephalostatin 1 inactivates Bcl-2 by hyperphosphorylation independent of M-phase arrest and DNA damage. *Molecular Pharmacology*, **2005**, 67, 1684-9 4.3 4⁰
- 139 Isolation and structure of cephalostatins 10 and 11. *Journal of Natural Products*, **1994**, 57, 52-63 4.9 4⁰
- 138 Antineoplastic agents. 160. Isolation and structure of combretastatin D-1: a cell growth inhibitory macrocyclic lactone from *Combretum caffrum*. *Journal of the American Chemical Society*, **1988**, 110, 8539-8540 16.4 4⁰
- 137 Antineoplastic agents. 509: synthesis of fluorcombstatin phosphate and related 3-halostilbenes(1). *Journal of Natural Products*, **2005**, 68, 1450-8 4.9 39
- 136 Isolation and structure of the exceptional Pterobranchia human cancer inhibitors cephalostatins 16 and 171. *Bioorganic and Medicinal Chemistry Letters*, **1995**, 5, 2027-2032 2.9 39
- 135 Isolation and structure of phakellistatin 2 from the eastern indian ocean marine sponge *phakellia carteri*. *Bioorganic and Medicinal Chemistry Letters*, **1993**, 3, 2869-2874 2.9 38
- 134 Isolation and Structure of Rollinistatin 2: A New Cell Growth Inhibitory Acetogenin from *Rollinia mucosa*. *Heterocycles*, **1989**, 28, 213 0.8 38
- 133 Antineoplastic agents. 397: Isolation and structure of sesterstatins 4 and 5 from *Hirtios erecta* (the Republic of Maldives). *Bioorganic and Medicinal Chemistry Letters*, **1998**, 8, 2093-8 2.9 37
- 132 Isolation and structure of phakellistatin 14 from the Western Pacific marine sponge *Phakellia* sp. *Journal of Natural Products*, **2005**, 68, 60-3 4.9 37
- 131 Antineoplastic agents. 592. Highly effective cancer cell growth inhibitory structural modifications of dolastatin 10. *Journal of Natural Products*, **2011**, 74, 962-8 4.9 36
- 130 Antineoplastic agents. 386. Isolation of sesterstatins 1-3 from the marine sponge *Hirtios erecta*. *Journal of Natural Products*, **1998**, 61, 13-6 4.9 36

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128	Isolation and structure of hemibastadinols 1-3 from the Papua New Guinea marine sponge <i>Ianthella basta</i> . <i>Journal of Natural Products</i> , 1996 , 59, 927-34	4.9	35
127	Antineoplastic agents. 553. The Texas grasshopper <i>Brachystola magna</i> . <i>Journal of Natural Products</i> , 2005 , 68, 1256-8	4.9	34
126	Antineoplastic agents. 380. Isolation and X-ray crystal structure determination of isoaptamine from the Republic of Singapore <i>Hymeniacidon</i> sp. and conversion to the phosphate prodrug hystatin 1. <i>Journal of Natural Products</i> , 2004 , 67, 506-9	4.9	34
125	Antineoplastic agents 285. Isolation and structures of cephalostatins 14 and 15. <i>Canadian Journal of Chemistry</i> , 1994 , 72, 2260-2267	0.9	34
124	Antineoplastic agents 470. Absolute configuration of the marine sponge bromopyrrole agelastatin A. <i>Oncology Research</i> , 2005 , 15, 11-20	4.8	34
123	Specific activities of dolastatin 10 and peptide derivatives against <i>Cryptococcus neoformans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 1998 , 42, 2961-5	5.9	33
122	Cyclotrimerization approach to unnatural structural modifications of pancratistatin and other amaryllidaceae constituents [Synthesis and biological evaluation. <i>Canadian Journal of Chemistry</i> , 2006 , 84, 1313-1337	0.9	31
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120	Synthesis of the marine sponge cycloheptapeptide phakellistatin 5(1). <i>Journal of Natural Products</i> , 2000 , 63, 22-8	4.9	31
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118	Antineoplastic agents. 570. Isolation and structure elucidation of bacillistatins 1 and 2 from a marine <i>Bacillus silvestris</i> . <i>Journal of Natural Products</i> , 2009 , 72, 366-71	4.9	30
117	Antineoplastic agents. 511. Direct phosphorylation of phenpanstatin and pancratistatin. <i>Journal of Natural Products</i> , 2004 , 67, 322-7	4.9	30
116	Synthesis of the Marine Sponge Cycloheptapeptide Stylopeptide 11. <i>Journal of Organic Chemistry</i> , 1996 , 61, 2322-2325	4.2	30
115	Isolation and Structure of Dolastatin 17. <i>Heterocycles</i> , 1998 , 47, 491	0.8	30
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113	Antineoplastic agents. 545. Isolation and structure of turbostatins 1-4 from the Asian marine mollusk <i>Turbo stenogyrus</i> . <i>Journal of Natural Products</i> , 2005 , 68, 974-8	4.9	29
112	A cobalt-phosphine complex directed Reformatsky approach to a stereospecific synthesis of the dolastatin 10 unit dolaproine (Dap). <i>Journal of Organic Chemistry</i> , 2001 , 66, 8640-2	4.2	29

111	Antineoplastic agents. 556. Isolation and structure of Coprinastatin 1 from <i>Coprinus cinereus</i> . <i>Journal of Natural Products</i> , 2010 , 73, 388-92	4.9	28
110	Antineoplastic agents. 400. Synthesis of the Indian Ocean marine sponge cyclic heptapeptide phakellistatin 2. <i>Journal of Natural Products</i> , 1999 , 62, 409-14	4.9	28
109	Isolation and structure of the hemichordate cell growth inhibitors cephalostatins 2, 3, and 4. <i>Journal of the Chemical Society Chemical Communications</i> , 1988 , 865		28
108	Intracellular activation and deactivation of tasidotin, an analog of dolastatin 15: correlation with cytotoxicity. <i>Molecular Pharmacology</i> , 2009 , 75, 218-26	4.3	27
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106	Antineoplastic agents. 534. Isolation and structure of sansevistatins 1 and 2 from the African <i>Sansevieria ehrenbergii</i> . <i>Journal of Natural Products</i> , 2005 , 68, 729-33	4.9	27
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103	Synthesis of phakellistatin 11: a micronesia (Chuuk) marine sponge cyclooctapeptide. <i>Journal of Natural Products</i> , 2001 , 64, 883-91	4.9	27
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100	Antineoplastic agents. 561. Total synthesis of respirantin. <i>Journal of Natural Products</i> , 2007 , 70, 1073-83	4.9	25
99	Isolation and structure of the human cancer cell growth inhibitory cyclic decapeptides phakellistatins 7, 8 and 91.2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995 , 5, 1339-1344	2.9	25
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78	The Dolastatins; 18: Stereospecific Synthesis of Dolaproine. <i>Synthesis</i> , 1996 , 1996, 719-725	2.9	20
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