# Ernest Hamel

List of Publications by Year
in descending order

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|---|---|---|---|
| 55<br>papers | 3,710<br>citations | 172457<br>29<br>h-index | 161849<br>54<br>g-index |
| 56<br>all docs | 56<br>docs citations | 56<br>times ranked | 3488<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Design, Synthesis, and Biological Evaluation of 5,6,7,8-Tetrahydrobenzo[4,5]thieno[2,3-d]pyrimidines as Microtubule Targeting Agents. Molecules, 2022, 27, 321. | 3.8 | 3 |
| 2 | Synthesis and Biological Evaluation of Highly Active 7-Anilino Triazolopyrimidines as Potent Antimicrotubule Agents. Pharmaceutics, 2022, 14, 1191. | 4.5 | 7 |
| 3 | The 3-D conformational shape of N-naphthyl-cyclopenta[d]pyrimidines affects their potency as microtubule targeting agents and their antitumor activity. Bioorganic and Medicinal Chemistry, 2021, 29, 115887. | 3.0 | 5 |
| 4 | Insight on [1,3]thiazolo[4,5-e]isoindoles as tubulin polymerization inhibitors. European Journal of Medicinal Chemistry, 2021, 212, 113122. | 5.5 | 30 |
| 5 | A facile synthesis of diaryl pyrroles led to the discovery of potent colchicine site antimitotic agents. European Journal of Medicinal Chemistry, 2021, 214, 113229. | 5.5 | 13 |
| 6 | Potential of substituted quinazolines to interact with multiple targets in the treatment of cancer. Bioorganic and Medicinal Chemistry, 2021, 35, 116061. | 3.0 | 2 |
| 7 | Novel pyrazolo[4,3-d]pyrimidine microtubule targeting agents (MTAs): Synthesis, structureâ€“activity relationship, in vitro and in vivo evaluation as antitumor agents. Bioorganic and Medicinal Chemistry Letters, 2021, 41, 127923. | 2.2 | 10 |
| 8 | Concise synthesis and biological evaluation of 2-Aryl-3-Anilinobenzo[b]thiophene derivatives as potent apoptosis-inducing agents. Bioorganic Chemistry, 2021, 112, 104919. | 4.1 | 3 |
| 9 | Deciphering the key heterocyclic scaffolds in targeting microtubules, kinases and carbonic anhydrases for cancer drug development. , 2021, 225, 107860. | | 36 |
| 10 | Effects of substituent pattern on the intracellular target of antiproliferative benzo[b]thiophenyl chromone derivatives. European Journal of Medicinal Chemistry, 2021, 222, 113578. | 5.5 | 16 |
| 11 | Discovery of pyrrole derivatives for the treatment of glioblastoma and chronic myeloid leukemia. European Journal of Medicinal Chemistry, 2021, 221, 113532. | 5.5 | 12 |
| 12 | S â€(4â€Methoxyphenyl)â€4â€methoxybenzenesulfonothioate as a Promising Lead Compound for the Development of a Renal Carcinoma Agent. ChemMedChem, 2020, 15, 449-458. | 3.2 | 3 |
| 13 | Pyrrolo[2â€²,3â€²:3,4]cyclohepta[1,2-d][1,2]oxazoles, a New Class of Antimitotic Agents Active against Multiple Malignant Cell Types. Journal of Medicinal Chemistry, 2020, 63, 12023-12042. | 6.4 | 43 |
| 14 | Diaryl disulfides and thiosulfonates as combretastatin A-4 analogues: Synthesis, cytotoxicity and antitubulin activity. Bioorganic Chemistry, 2020, 101, 104017. | 4.1 | 12 |
| 15 | Synthesis and biological evaluation of structurally diverse Î±-conformationally restricted chalcones and related analogues. MedChemComm, 2019, 10, 1445-1456. | 3.4 | 9 |
| 16 | Structure based drug design and in vitro metabolism study: Discovery of N-(4-methylthiophenyl)-N,2-dimethyl-cyclopenta[d]pyrimidine as a potent microtubule targeting agent. Bioorganic and Medicinal Chemistry, 2018, 26, 2437-2451. | 3.0 | 11 |
| 17 | Sterically induced conformational restriction: Discovery and preclinical evaluation of novel pyrrolo[3,2-d]pyrimidines as microtubule targeting agents. Bioorganic and Medicinal Chemistry, 2018, 26, 5470-5478. | 3.0 | 5 |
| 18 | Synthesis of dihydronaphthalene analogues inspired by combretastatin A-4 and their biological evaluation as anticancer agents. MedChemComm, 2018, 9, 1649-1662. | 3.4 | 15 |

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|---|---|---|---|
| 19 | Design, synthesis, and structureâ€“activity relationships of pyrimido[4,5- b ]indole-4-amines as microtubule depolymerizing agents that are effective against multidrug resistant cells. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3423-3430. | 2.2 | 9 |
| 20 | Discovery and preclinical evaluation of 7-benzyl-N-(substituted)-pyrrolo[3,2-d]pyrimidin-4-amines as single agents with microtubule targeting effects along with triple-acting angiokinase inhibition as antitumor agents. Bioorganic and Medicinal Chemistry, 2017, 25, 545-556. | 3.0 | 13 |
| 21 | Design, synthesis, and biological evaluation of water-soluble amino acid prodrug conjugates derived from combretastatin, dihydronaphthalene, and benzosuberene-based parent vascular disrupting agents. Bioorganic and Medicinal Chemistry, 2016, 24, 938-956. | 3.0 | 37 |
| 22 | Structural interrogation of benzosuberene-based inhibitors of tubulin polymerization. Bioorganic and Medicinal Chemistry, 2015, 23, 7497-7520. | 3.0 | 19 |
| 23 | Design, Synthesis, in Vitro, and in Vivo Anticancer and Antiangiogenic Activity of Novel 3-Arylaminobenzofuran Derivatives Targeting the Colchicine Site on Tubulin. Journal of Medicinal Chemistry, 2015, 58, 3209-3222. | 6.4 | 47 |
| 24 | Design, synthesis and biological evaluation of 3,5-disubstituted 2-amino thiophene derivatives as a novel class of antitumor agents. Bioorganic and Medicinal Chemistry, 2014, 22, 5097-5109. | 3.0 | 40 |
| 25 | Synthesis, Antimitotic and Antivascular Activity of 1-(3â€²,4â€²,5â€²-Trimethoxybenzoyl)-3-arylamino-5-amino-1,2,4-triazoles. Journal of Medicinal Chemistry, 2014, 57, 6795-6808. | 6.4 | 52 |
| 26 | Synthesis and evaluation of diaryl sulfides and diaryl selenide compounds for antitubulin and cytotoxic activity. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 4669-4673. | 2.2 | 67 |
| 27 | Structureâ€“Activity Relationship and in Vitro and in Vivo Evaluation of the Potent Cytotoxic Anti-microtubule Agent N-(4-Methoxyphenyl)-N,2,6-trimethyl-6,7-dihydro-5H-cyclopenta[d]pyrimidin-4-aminium Chloride and Its Analogues As Antitumor Agents. Journal of Medicinal Chemistry, 2013, 56, 6829-6844. | 6.4 | 24 |
| 28 | Concise Synthesis and Biological Evaluation of 2-Aroyl-5-Amino Benzo[b]thiophene Derivatives As a Novel Class of Potent Antimitotic Agents. Journal of Medicinal Chemistry, 2013, 56, 9296-9309. | 6.4 | 44 |
| 29 | Discovery and Optimization of a Series of 2-Aryl-4-Amino-5-(3â€²,4â€²,5â€²-trimethoxybenzoyl)Thiazoles as Novel Anticancer Agents. Journal of Medicinal Chemistry, 2012, 55, 5433-5445. | 6.4 | 57 |
| 30 | An amino-benzosuberene analogue that inhibits tubulin assembly and demonstrates remarkable cytotoxicity. MedChemComm, 2012, 3, 720. | 3.4 | 23 |
| 31 | Convergent Synthesis and Biological Evaluation of 2-Amino-4-(3â€²,4â€²,5â€²-trimethoxyphenyl)-5-aryl Thiazoles as Microtubule Targeting Agents. Journal of Medicinal Chemistry, 2011, 54, 5144-5153. | 6.4 | 79 |
| 32 | Synthesis and Biological Activities of (R)- and (S)-N-(4-Methoxyphenyl)-N,2,6-trimethyl-6,7-dihydro-5H-cyclopenta[d]pyrimidin-4-aminium Chloride as Potent Cytotoxic Antitubulin Agents. Journal of Medicinal Chemistry, 2011, 54, 6151-6155. | 6.4 | 118 |
| 33 | One-pot synthesis and biological evaluation of 2-pyrrolidinyl-4-amino-5-(3â€²,4â€²,5â€²-trimethoxybenzoyl)thiazole: A unique, highly active antimicrotubule agent. European Journal of Medicinal Chemistry, 2011, 46, 6015-6024. | 5.5 | 32 |
| 34 | A boronic acid chalcone analog of combretastatin A-4 as a potent anti-proliferation agent. Bioorganic and Medicinal Chemistry, 2010, 18, 971-977. | 3.0 | 88 |
| 35 | Synthesis and Discovery of Water-Soluble Microtubule Targeting Agents that Bind to the Colchicine Site on Tubulin and Circumvent Pgp Mediated Resistance. Journal of Medicinal Chemistry, 2010, 53, 8116-8128. | 6.4 | 61 |
| 36 | A diaryl sulfide, sulfoxide, and sulfone bearing structural similarities to combretastatin A-4. European Journal of Medicinal Chemistry, 2009, 44, 2685-2688. | 5.5 | 36 |

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| 37 | Arylthioindole Inhibitors of Tubulin Polymerization. 3. Biological Evaluation, Structureâ^'Activity Relationships and Molecular Modeling Studies. Journal of Medicinal Chemistry, 2007, 50, 2865-2874. | 6.4 | 177 |
| 38 | 4,5-Diaryl-1H-pyrrole-2-carboxylates as combretastatin A-4/lamellarin T hybrids: Synthesis and evaluation as anti-mitotic and cytotoxic agents. Bioorganic and Medicinal Chemistry, 2006, 14, 4627-4638. | 3.0 | 72 |
| 39 | A Common Pharmacophore for a Diverse Set of Colchicine Site Inhibitors Using a Structure-Based Approach. Journal of Medicinal Chemistry, 2005, 48, 6107-6116. | 6.4 | 271 |
| 40 | Evaluation of Antimitotic Agents by Quantitative Comparisons of Their Effects on the Polymerization of Purified Tubulin. Cell Biochemistry and Biophysics, 2003, 38, 1-22. | 1.8 | 256 |
| 41 | Synthesis and Biological Evaluation of 2-Acyl Analogues of Paclitaxel (Taxol). Journal of Medicinal Chemistry, 1998, 41, 3715-3726. | 6.4 | 74 |
| 42 | Structure-Activity Analysis of the Interaction of Curacin A, the Potent Colchicine Site Antimitotic Agent, with Tubulin and Effects of Analogs on the Growth of MCF-7 Breast Cancer Cells. Molecular Pharmacology, 1998, 53, 62-76. | 2.3 | 275 |
| 43 | Antitumor Agents. 178.â€Synthesis and Biological Evaluation of Substituted 2-Aryl-1,8-naphthyridin-4(1H)-ones as Antitumor Agents That Inhibit Tubulin Polymerization. Journal of Medicinal Chemistry, 1997, 40, 3049-3056. | 6.4 | 77 |
| 44 | Convergent syntheses of the pyrrolic marine natural products lamellarin-O, lamellarin-Q, lukianol-A and some more highly oxygenated congeners. Chemical Communications, 1997, , 207-208. | 4.1 | 65 |
| 45 | Antitumor Agents. 174. 2â€˜,3â€˜,4â€˜,5,6,7-Substituted 2-Phenyl-1,8-naphthyridin-4-ones:Â Their Synthesis, Cytotoxicity, and Inhibition of Tubulin Polymerization1. Journal of Medicinal Chemistry, 1997, 40, 2266-2275. | 6.4 | 90 |
| 46 | Interactions of 2-Methoxyestradiol, an Endogenous Mammalian Metabolite, with Unpolymerized Tubulin and with Tubulin Polymers. Biochemistry, 1996, 35, 1304-1310. | 2.5 | 84 |
| 47 | Antimitotic natural products and their interactions with tubulin. , 1996, 16, 207-231. | | 294 |
| 48 | Antimitotic natural products and their interactions with tubulin. Medicinal Research Reviews, 1996, 16, 207-231. | 10.5 | 6 |
| 49 | Limitations in the use of tubulin polymerization assays as a screen for the identification of new antimitotic agents: The potent marine natural product curacin A as an example. Drug Development Research, 1995, 34, 110-120. | 2.9 | 22 |
| 50 | The magnesium-GTP interaction in microtubule assembly. FEBS Journal, 1994, 222, 163-172. | 0.2 | 33 |
| 51 | Synthesis of 14C labelled electrophilic ligands of the colchicine binding site of tubulin: Chloroacetates of demethylthiocolchicines and of N-acetylcolchinol; isothiocyanate of 9-deoxy-N-acetylcolchinol. Journal of Labelled Compounds and Radiopharmaceuticals, 1993, 33, 293-299. | 1.0 | 5 |
| 52 | Synthesis and evaluation of analogs of (Z)-1-(4-methoxyphenyl)-2-(3,4,5-trimethoxyphenyl)ethene as potential cytotoxic and antimitotic agents. Journal of Medicinal Chemistry, 1992, 35, 2293-2306. | 6.4 | 224 |
| 53 | Antimitotic natural products combretastatin A-4 and combretastatin A-2: studies on the mechanism of their inhibition of the binding of colchicine to tubulin. Biochemistry, 1989, 28, 6984-6991. | 2.5 | 428 |
| 54 | Colchicine Models: Synthesis and Binding to Tubulin of Tertamethoxybiphenyls. Helvetica Chimica Acta, 1988, 71, 1199-1209. | 1.6 | 33 |

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| 55 | Separation of active tubulin and microtubule-associated proteins by ultracentrifugation and isolation of a component causing the formation of microtubule bundles. Biochemistry, 1984, 23, 4173-4184. | 2.5 | 232 |