

# Attila Hunyadi

## List of Publications by Year in descending order

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82  
papers

1,522  
citations

331670

21  
h-index

377865

34  
g-index

90  
all docs

90  
docs citations

90  
times ranked

1899  
citing authors

#	ARTICLE	IF	CITATIONS
1	Phytoecdysteroids and Anabolic-Androgenic Steroids - Structure and Effects on Humans. <i>Current Medicinal Chemistry</i> , 2008, 15, 75-91.	2.4	156
2	Chlorogenic Acid and Rutin Play a Major Role in the In Vivo Anti-Diabetic Activity of <i>Morus alba</i> Leaf Extract on Type II Diabetic Rats. <i>PLoS ONE</i> , 2012, 7, e50619.	2.5	151
3	The mechanism(s) of action of antioxidants: From scavenging reactive oxygen/nitrogen species to redox signaling and the generation of bioactive secondary metabolites. <i>Medicinal Research Reviews</i> , 2019, 39, 2505-2533.	10.5	114
4	Significant Activity of Ecdysteroids on the Resistance to Doxorubicin in Mammalian Cancer Cells Expressing the Human ABCB1 Transporter. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 5034-5043.	6.4	56
5	Quercetin based derivatives as sirtuin inhibitors. <i>Biomedicine and Pharmacotherapy</i> , 2019, 111, 1326-1333.	5.6	41
6	Ecdysteroid-containing food supplements from <i>Cyanotis arachnoidea</i> on the European market: evidence for spinach product counterfeiting. <i>Scientific Reports</i> , 2016, 6, 37322.	3.3	39
7	Preparative-Scale Chromatography of Ecdysteroids of <i>Serratula wolffii</i> Andrae. <i>Journal of Chromatographic Science</i> , 2007, 45, 76-86.	1.4	37
8	Inhibition of ATR-Dependent Signaling by Protoapigenone and Its Derivative Sensitizes Cancer Cells to Interstrand Cross-linking Generating Agents <i>in Vitro</i> and <i>in Vivo</i> . <i>Molecular Cancer Therapeutics</i> , 2012, 11, 1443-1453.	4.1	34
9	Nitrogen-containing ecdysteroid derivatives vs. multi-drug resistance in cancer: Preparation and antitumor activity of oximes, oxime ethers and a lactam. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 730-739.	5.5	30
10	Ecdysteroids Sensitize MDR and Non-MDR Cancer Cell Lines to Doxorubicin, Paclitaxel, and Vincristine but Tend to Protect Them from Cisplatin. <i>BioMed Research International</i> , 2015, 2015, 1-8.	1.9	27
11	Protoflavones: a class of unusual flavonoids as promising novel anticancer agents. <i>Phytochemistry Reviews</i> , 2014, 13, 69-77.	6.5	26
12	<i>In vitro</i> Anti-Diabetic Activity and Chemical Characterization of an Apolar Fraction of <i>Morus alba</i> Leaf Water Extract. <i>Phytotherapy Research</i> , 2013, 27, 847-851.	5.8	25
13	Backstabbing P-gp: Side-Chain Cleaved Ecdysteroid 2,3-Dioxolanes Hyper-Sensitize MDR Cancer Cells to Doxorubicin without Efflux Inhibition. <i>Molecules</i> , 2017, 22, 199.	3.8	25
14	Synthesis and In Vitro Antitumor Activity of Naringenin Oxime and Oxime Ether Derivatives. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2184.	4.1	25
15	Antioxidant-Inspired Drug Discovery: Antitumor Metabolite Is Formed in Situ from a Hydroxycinnamic Acid Derivative upon Free-Radical Scavenging. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 1657-1668.	6.4	25
16	Exposure of Chlorpromazine to 266 nm Laser Beam Generates New Species with Antibacterial Properties: Contributions to Development of a New Process for Drug Discovery. <i>PLoS ONE</i> , 2013, 8, e55767.	2.5	25
17	Synthesis and Structure-Activity Relationships of Novel Ecdysteroid Dioxolanes as MDR Modulators in Cancer. <i>Molecules</i> , 2013, 18, 15255-15275.	3.8	24
18	BBB penetration-targeting physicochemical lead selection: Ecdysteroids as chemo-sensitizers against CNS tumors. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 571-577.	4.0	24

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19	Monitoring the antioxidant activity of extracts originated from various <i>Serratula</i> species and isolation of flavonoids from <i>Serratula coronata</i> . <i>FÅ-toterapÅ-Åç</i> , 2004, 75, 162-167.	2.2	23
20	Mechanisms of Resistance in Bacteria: An Evolutionary Approach. <i>Open Microbiology Journal</i> , 2013, 7, 53-58.	0.7	23
21	Bioactive Constituents of <i>Cirsium japonicum</i> var. <i>australe</i> . <i>Journal of Natural Products</i> , 2014, 77, 1624-1631.	3.0	22
22	Direct Semi-Synthesis of the Anticancer Lead-Drug Protoapigenone from Apigenin, and Synthesis of Further New Cytotoxic Protoflavone Derivatives. <i>PLoS ONE</i> , 2011, 6, e23922.	2.5	21
23	Oxidized Metabolites of 20-Hydroxyecdysone and Their Activity on Skeletal Muscle Cells: Preparation of a Pair of Desmotropes with Opposite Bioactivities. <i>Journal of Natural Products</i> , 2015, 78, 2339-2345.	3.0	21
24	26-Hydroxylated Ecdysteroids from <i>Silene viridiflora</i> . <i>Journal of Natural Products</i> , 2008, 71, 1461-1463.	3.0	20
25	Bioactive constituents of <i>Lindernia crustacea</i> and its anti-EBV effect via Rta expression inhibition in the viral lytic cycle. <i>Journal of Ethnopharmacology</i> , 2020, 250, 112493.	4.1	20
26	Medicinal chemistry inspired by ginger: exploring the chemical space around 6-gingerol. <i>RSC Advances</i> , 2021, 11, 26687-26699.	3.6	20
27	Phenolic antioxidants of <i>Morus nigra</i> roots, and antitumor potential of morusin. <i>Phytochemistry Reviews</i> , 2018, 17, 1031-1045.	6.5	19
28	Phytoecdysteroids and Vitamin D Analogues - Similarities in Structure and Mode of Action. <i>Current Medicinal Chemistry</i> , 2010, 17, 1974-1994.	2.4	18
29	Inhibition of the Epstein-Barr virus lytic cycle by protoapigenone. <i>Journal of General Virology</i> , 2011, 92, 1760-1768.	2.9	18
30	Side-chain cleaved phytoecdysteroid metabolites as activators of protein kinase B. <i>Bioorganic Chemistry</i> , 2019, 82, 405-413.	4.1	18
31	Discovery of the first non-planar flavonoid that can strongly inhibit xanthine oxidase: protoapigenone 1- <sup>2</sup> -O-propargyl ether. <i>Tetrahedron Letters</i> , 2013, 54, 6529-6532.	1.4	15
32	Centrifugal partition chromatography in the isolation of minor ecdysteroids from <i>Cyanotis arachnoidea</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1054, 44-49.	2.3	15
33	Two New Ecdysteroids from <i>Serratula wolffii</i> . <i>Journal of Natural Products</i> , 2004, 67, 1070-1072.	3.0	14
34	<sup>1</sup> H and <sup>13</sup> C NMR investigation of 20-hydroxyecdysone dioxolane derivatives, a novel group of MDR modulator agents. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 830-836.	1.9	14
35	Lower antioxidative capacity of multidrug-resistant cancer cells confers collateral sensitivity to protoflavone derivatives. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 555-565.	2.3	14
36	Heteronanoparticles by Self-Assembly of Ecdysteroid and Doxorubicin Conjugates To Overcome Cancer Resistance. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 468-471.	2.8	14

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37	Natural products development under epigenetic modulation in fungi. <i>Phytochemistry Reviews</i> , 2020, 19, 1323-1340.	6.5	14
38	Protoapigenone derivatives: Albumin binding properties and effects on HepG2 cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 124, 20-26.	3.8	13
39	Androgenic effect of honeybee drone milk in castrated rats: Roles of methyl palmitate and methyl oleate. <i>Journal of Ethnopharmacology</i> , 2014, 153, 446-453.	4.1	13
40	Rapid, laser-induced conversion of 20-hydroxyecdysone – A follow-up study on the products obtained. <i>Steroids</i> , 2014, 89, 56-62.	1.8	13
41	Antispasmodic Activity of Prenylated Phenolic Compounds from the Root Bark of <i>Morus nigra</i> . <i>Molecules</i> , 2019, 24, 2497.	3.8	13
42	Raw Drone Milk of Honeybees Elicits Uterotrophic Effect in Rats: Evidence for Estrogenic Activity. <i>Journal of Medicinal Food</i> , 2013, 16, 404-409.	1.5	12
43	An unexpected advantage of insectivorousness: insect moulting hormones ingested by song birds affect their ticks. <i>Scientific Reports</i> , 2016, 6, 23390.	3.3	12
44	Dietary flavonoid derivatives enhance chemotherapeutic effect by inhibiting the DNA damage response pathway. <i>Toxicology and Applied Pharmacology</i> , 2016, 311, 99-105.	2.8	12
45	Protoflavone-Chalcone Hybrids Exhibit Enhanced Antitumor Action through Modulating Redox Balance, Depolarizing the Mitochondrial Membrane, and Inhibiting ATR-Dependent Signaling. <i>Antioxidants</i> , 2020, 9, 519.	5.1	12
46	TLC of ecdysteroids with four mobile phases and three stationary phases. <i>Journal of Planar Chromatography - Modern TLC</i> , 2004, 17, 335-341.	1.2	11
47	Synthesis and SAR Study of Anticancer Protoflavone Derivatives: Investigation of Cytotoxicity and Interaction with ABCB1 and ABCG2 Multidrug Efflux Transporters. <i>ChemMedChem</i> , 2017, 12, 850-859.	3.2	11
48	Stereochemistry and complete <sup>1</sup> H and <sup>13</sup> C NMR signal assignment of C <sub>20</sub> oxime derivatives of posterone 2,3-acetonide in solution state. <i>Magnetic Resonance in Chemistry</i> , 2018, 56, 859-866.	1.9	11
49	Biomimetic synthesis and HPLC-ECD analysis of the isomers of dracocephins A and B. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2523-2534.	2.2	10
50	Synthesis and Cytotoxic Activity of New Vindoline Derivatives Coupled to Natural and Synthetic Pharmacophores. <i>Molecules</i> , 2020, 25, 1010.	3.8	10
51	Pharmacokinetics-Driven Evaluation of the Antioxidant Activity of Curcuminoids and Their Major Reduced Metabolites – A Medicinal Chemistry Approach. <i>Molecules</i> , 2021, 26, 3542.	3.8	10
52	Validation of a densitometric method for the determination of theanine in tea extracts using CP atlas software. <i>Journal of Planar Chromatography - Modern TLC</i> , 2012, 25, 571-574.	1.2	9
53	Flavonol 7-O-Glucoside Herbacinin Inhibits HIV-1 Replication through Simultaneous Integrase and Reverse Transcriptase Inhibition. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019, 1-6.	1.2	9
54	Volatile Glycosides from the Leaves of <i>Morus alba</i> with a Potential Contribution to the Complex Anti-diabetic Activity. <i>Natural Product Communications</i> , 2014, 9, 1934578X1400900.	0.5	8

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55	Screening of <i>Luzula</i> species native to the Carpathian Basin for anti-inflammatory activity and bioactivity-guided isolation of compounds from <i>Luzula luzuloides</i> (Lam.) Dandy & Wilmott. <i>FÅ-toterapÅ-Åç</i> , 2017, 116, 131-138.	2.2	8
56	Protoflavones in melanoma therapy: Prooxidant and pro-senescence effect of protoapigenone and its synthetic alkyl derivative in A375 cells. <i>Life Sciences</i> , 2020, 260, 118419.	4.3	8
57	Poststerone increases muscle fibre size partly similar to its metabolically parent compound, 20-hydroxyecdysone. <i>FÅ-toterapÅ-Åç</i> , 2019, 134, 459-464.	2.2	7
58	Oxidized Juncuenin B Analogues with Increased Antiproliferative Activity on Human Adherent Cell Lines: Semisynthesis and Biological Evaluation. <i>Journal of Natural Products</i> , 2020, 83, 3250-3261.	3.0	7
59	AAPH or Peroxynitrite-Induced Biorelevant Oxidation of Methyl Caffeate Yields a Potent Antitumor Metabolite. <i>Biomolecules</i> , 2020, 10, 1537.	4.0	7
60	Novel Results of Twoâ€Dimensional Thinâ€Layer Chromatography. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2005, 28, 2489-2497.	1.0	6
61	Capillary electrophoresis study on the base-catalyzed formation of bioactive oxidized metabolites of 20-hydroxyecdysone. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 146, 188-194.	2.8	5
62	New cyclic 2,3â€sulfito ester derivatives of poststeroneâ€Discriminating diastereomers and probing spatial proximities by NMR and DFT calculations. <i>Magnetic Resonance in Chemistry</i> , 2017, 55, 1102-1107.	1.9	5
63	Phenolic Compounds from <i>Morus nigra</i> Regulate Viability and Apoptosis of Pancreatic Î²-Cells Possibly via SERCA Activity. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1006-1013.	2.8	5
64	In vitro adjuvant antitumor activity of various classes of semi-synthetic poststerone derivatives. <i>Bioorganic Chemistry</i> , 2021, 106, 104485.	4.1	5
65	Ecdysteroids are present in the blood of wild passerine birds. <i>Scientific Reports</i> , 2019, 9, 17002.	3.3	4
66	Less Cytotoxic Protoflavones as Antiviral Agents: Protoapigenone 1â€ <sup>2</sup> -O-isopropyl ether Shows Improved Selectivity Against the Epsteinâ€Barr Virus Lytic Cycle. <i>International Journal of Molecular Sciences</i> , 2019, 20, 6269.	4.1	4
67	A Commercial Extract of <i>Cyanotis arachnoidea</i> Roots as a Source of Unusual Ecdysteroid Derivatives with Insect Hormone Receptor Binding Activity. <i>Journal of Natural Products</i> , 2021, 84, 1870-1881.	3.0	4
68	Anomalous Products in the Halogenation Reactions of Vinca Alkaloids. <i>Current Organic Chemistry</i> , 2016, 20, 2639-2646.	1.6	3
69	Synthesis of Nontoxic Protoflavone Derivatives through Selective Continuousâ€Flow Hydrogenation of the Flavonoid Bâ€Ring. <i>ChemPlusChem</i> , 2018, 83, 72-76.	2.8	3
70	Squalenoylated Nanoparticle Pro-Drugs of Adjuvant Antitumor 11Î±-Hydroxyecdysteroid 2,3-Acetonides Act as Cytoprotective Agents Against Doxorubicin and Paclitaxel. <i>Frontiers in Pharmacology</i> , 2020, 11, 552088.	3.5	3
71	Antiproliferative Phenanthrenes from <i>Juncus tenuis</i> : Isolation and Diversity-Oriented Semisynthetic Modification. <i>Molecules</i> , 2020, 25, 5983.	3.8	3
72	Diversity-oriented synthesis through gamma radiolysis: Preparation of unusual ecdysteroid derivatives activating Akt and AMPK in skeletal muscle cells. <i>Bioorganic Chemistry</i> , 2021, 112, 104951.	4.1	3

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73	New ring-rearranged metabolite of 20-hydroxyecdysone obtained by base-catalyzed auto-oxidation. <i>Magnetic Resonance in Chemistry</i> , 2016, 54, 391-395.	1.9	2
74	HPLC analysis and blood-brain penetration of 20-hydroxyecdysone diacetone. <i>Acta Chromatographica</i> , 2017, 29, 375-383.	1.3	2
75	The Mechanism by which the Phenothiazine Thioridazine Contributes to Cure Problematic Drug-Resistant Forms of Pulmonary Tuberculosis: Recent Patents for "New Use". <i>Recent Patents on Anti-infective Drug Discovery</i> , 2014, 8, 206-212.	0.8	2
76	Semisynthetic ecdysteroid-cinnamic derivatives against <i>Trypanosoma cruzi</i> . <i>Planta Medica</i> , 2021, 87, .	1.3	1
77	Dynamic On-Column Eluent Modification: A Novel Strategy for Peak Resolution Enhancement. Application to the Preparative Separation of Ecdysteroid Isomers. <i>Chromatographia</i> , 2008, 67, 767-772.	1.3	0
78	Synthesis of Nontoxic Protoflavone Derivatives through Selective Continuous-Flow Hydrogenation of the Flavonoid B-Ring. <i>ChemPlusChem</i> , 2018, 83, 71-71.	2.8	0
79	Arthropod moulting hormones (ecdysteroids) are present in the blood of insectivorous bats. <i>Mammal Review</i> , 0, , .	4.8	0
80	Diversity-Oriented Synthesis Catalyzed by Diethylaminosulfur-Trifluoride"Preparation of New Antitumor Ecdysteroid Derivatives. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3447.	4.1	0
81	Protoflavone " spirooxindole hybrids exhibit promising, increased antitumor activity. <i>Planta Medica</i> , 2021, 87, .	1.3	0
82	Biomimetic oxidized resveratrol metabolite mixtures. , 2022, , .		0