

# Juraj Harmatha

## List of Publications by Year in descending order

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74  
papers

1,781  
citations

257101

24  
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301761

39  
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79  
all docs

79  
docs citations

79  
times ranked

1730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological activities of lignans and stilbenoids associated with plant-insect chemical interactions. <i>Phytochemistry Reviews</i> , 2003, 2, 321-330.	3.1	135
2	Chromatographic procedures for the isolation of plant steroids. <i>Journal of Chromatography A</i> , 2001, 935, 105-123.	1.8	132
3	Use of structural changes for stereochemical assignments of natural $\hat{1}\pm$ -exomethylene $\hat{1}^3$ -lactones of the germacra-1(10),4-dienolide type on the basis of allylic and vicinal couplings of bridgehead protons. Hydrogenation of endocyclic double bonds. <i>Collection of Czechoslovak Chemical Communications</i> , 1978, 43, 2779-2799.	1.0	68
4	Comparison of the feeding deterrent activity of some sesquiterpene lactones and a lignan lactone towards selected insect storage pests. <i>Biochemical Systematics and Ecology</i> , 1984, 12, 95-98.	0.6	66
5	Ecdysteroids from the roots of <i>Leuzea carthamoides</i> . <i>Phytochemistry</i> , 1994, 37, 707-711.	1.4	58
6	Insect feeding deterrent activity of lignans and related phenylpropanoids with a methylenedioxyphenyl (piperonyl) structure moiety. <i>Entomologia Experimentalis Et Applicata</i> , 2002, 104, 51-60.	0.7	54
7	Ecdysteroid constituents of the mushroom <i>Tapinella panuoides</i> Part 58 in the series "Plant Substances". For part 57 see Ref. [1], Vokáč et al. (1998) [Vokáč, K., Budáček, M., Harmatha, J. and Pátek, J., <i>Tetrahedron</i> , 1998, 54, 1657]. <i>Phytochemistry</i> , 1998, 49, 2109-2114.		53
8	Minor Ecdysteroid Components of <i>Leuzea carthamoides</i> . <i>Collection of Czechoslovak Chemical Communications</i> , 2002, 67, 124-139.	1.0	53
9	Phenolic and terpenoid heartwood constituents of <i>Libocedrus yateensis</i> . <i>Phytochemistry</i> , 1979, 18, 1495-1500.	1.4	50
10	Additional minor ecdysteroid components of <i>Leuzea carthamoides</i> . <i>Steroids</i> , 2008, 73, 502-514.	0.8	49
11	Biological activity of natural and synthetic ecdysteroids in the B11 bioassay. <i>Archives of Insect Biochemistry and Physiology</i> , 1997, 35, 219-225.	0.6	43
12	Phytoecdysteroids: Diversity, Biosynthesis and Distribution. , 2009, , 3-45.		40
13	Insect feeding deterrent activity of bisabolangelone and of some sesquiterpenes of eremophilane type. <i>Biochemical Systematics and Ecology</i> , 1984, 12, 99-101.	0.6	39
14	Identification of a spirostane-type saponin in the flowers of leek with inhibitory effects on growth of leek-moth larvae. <i>Biochemical Systematics and Ecology</i> , 1987, 15, 113-116.	0.6	39
15	The structure of yatein. Determination of the positions, and configurations of benzyl groups in lignans of the 2,3-dibenzylbutyrolactone type. <i>Collection of Czechoslovak Chemical Communications</i> , 1982, 47, 644-663.	1.0	38
16	Antifeeding activity of rotenone and some derivatives towards selected insect storage pests. <i>Biochemical Systematics and Ecology</i> , 1989, 17, 55-57.	0.6	36
17	Photochemical transformation of 20-hydroxyecdysone: production of monomeric and dimeric ecdysteroid analogues. <i>Steroids</i> , 2002, 67, 127-135.	0.8	36
18	The natural stilbenoid pinosylvin and activated neutrophils: effects on oxidative burst, protein kinase C, apoptosis and efficiency in adjuvant arthritis. <i>Acta Pharmacologica Sinica</i> , 2012, 33, 1285-1292.	2.8	36

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19	Phytochemical feeding deterrents for stored product insect pests. <i>Phytochemistry Reviews</i> , 2012, 11, 543-566.	3.1	36
20	Structure-efficiency relationship in derivatives of stilbene. Comparison of resveratrol, pinosylvin and pterostilbene. <i>Neuroendocrinology Letters</i> , 2008, 29, 802-5.	0.2	36
21	Symposium-in-Print Synergistic Insecticidal Mode of Action between Sesquiterpene Lactones and a Phototoxin, $\hat{1}\pm$ -Terthienyl. <i>Photochemistry and Photobiology</i> , 2000, 71, 111.	1.3	34
22	Regioselective synthesis of 20-hydroxyecdysone glycosides. <i>Tetrahedron</i> , 1994, 50, 9679-9690.	1.0	32
23	New ergostane type ecdysteroids from fungi. Ecdysteroid constituents of mushroom <i>Paxillus atrotomentosus</i> . <i>Tetrahedron</i> , 1998, 54, 1657-1666.	1.0	28
24	Can chemical cues from blossom buds influence cultivar preference in the apple blossom weevil ( <i>Anthonomus pomorum</i> )?. <i>Entomologia Experimentalis Et Applicata</i> , 2000, 95, 47-52.	0.7	28
25	Lignan Glucosides and Serotonin Phenylpropanoids from the Seeds of <i>Leuzea carthamoides</i> . <i>Collection of Czechoslovak Chemical Communications</i> , 2007, 72, 334-346.	1.0	25
26	Biological activities of a specific ecdysteroid dimer and of selected monomeric structural analogues in the BII bioassay1Dedicated to Professor Denis H. S. Horn on the occasion of his 80th birthday.1. <i>Insect Biochemistry and Molecular Biology</i> , 2002, 32, 181-185.	1.2	23
27	Inhibitor of sarco-endoplasmic reticulum $Ca^{2+}$ -ATPase thapsigargin stimulates production of nitric oxide and secretion of interferon-gamma. <i>European Journal of Pharmacology</i> , 2008, 588, 85-92.	1.7	23
28	Trilobolide and related sesquiterpene lactones from <i>Laser trilobum</i> possessing immunobiological properties. <i>FÄ-toterapÄ-Äç</i> , 2013, 89, 157-166.	1.1	22
29	Molecular targets of the natural antioxidant pterostilbene: effect on protein kinase C, caspase-3 and apoptosis in human neutrophils in vitro. <i>Neuroendocrinology Letters</i> , 2010, 31 Suppl 2, 84-90.	0.2	21
30	The Effects of Pterostilbene on Neutrophil Activity in Experimental Model of Arthritis. <i>BioMed Research International</i> , 2013, 2013, 1-7.	0.9	20
31	Phenylboronic acid as a versatile derivatization agent for chromatography of ecdysteroids. <i>Journal of Chromatography A</i> , 1992, 596, 271-275.	1.8	19
32	High-performance liquid chromatographic analysis and separation of N-feruloylserotonin isomers. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2002, 770, 291-295.	1.2	19
33	Ecdysteroid Glycosides: Identification, Chromatographic Properties, and Biological Significance. <i>Journal of Chromatographic Science</i> , 2005, 43, 149-157.	0.7	19
34	Decreased activity and accelerated apoptosis of neutrophils in the presence of natural polyphenols. <i>Interdisciplinary Toxicology</i> , 2012, 5, 59-64.	1.0	18
35	On the Molecular Pharmacology of Resveratrol on Oxidative Burst Inhibition in Professional Phagocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-9.	1.9	17
36	NÄferuloylserotonin in preventive combination therapy with methotrexate reduced inflammation in adjuvant arthritis. <i>Fundamental and Clinical Pharmacology</i> , 2014, 28, 616-626.	1.0	16

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37	Sesquiterpene lactone trilobolide activates production of interferon- $\hat{f}$ 3 and nitric oxide. <i>FÄ-toterapÄ-Ä¢</i> , 2010, 81, 1213-1219.	1.1	15
38	Immunobiological properties of selected natural and chemically modified phenylpropanoids. <i>Interdisciplinary Toxicology</i> , 2011, 4, 5-10.	1.0	15
39	Naturally appearing N-feruloylserotonin isomers suppress oxidative burst of human neutrophils at the protein kinase C level. <i>Pharmacological Reports</i> , 2011, 63, 790-798.	1.5	15
40	Trilobolide-steroid hybrids: Synthesis, cytotoxic and antimycobacterial activity. <i>Steroids</i> , 2017, 117, 97-104.	0.8	15
41	Modified approach for preparing (E)-stilbenes related to resveratrol, and evaluation of their potential immunobiological effects. <i>Collection of Czechoslovak Chemical Communications</i> , 2010, 75, 175-186.	1.0	14
42	Pharmacological influence on processes of adjuvant arthritis: effect of the combination of an antioxidant active substance with methotrexate. <i>Interdisciplinary Toxicology</i> , 2012, 5, 84-91.	1.0	14
43	Cyclic Phenylboronates of Ecdysteroids as Products of Regiospecific Reaction with Phenylboronic Acid. <i>Collection of Czechoslovak Chemical Communications</i> , 1993, 58, 612-618.	1.0	13
44	Lack of interference of common phytoecdysteroids with production of nitric oxide by immune-activated mammalian macrophages. <i>Steroids</i> , 2008, 73, 466-471.	0.8	12
45	Involvement of caspase-3 in stilbene derivatives induced apoptosis of human neutrophils in vitro. <i>Interdisciplinary Toxicology</i> , 2012, 5, 76-80.	1.0	12
46	Effect of N-Feruloylserotonin and Methotrexate on Severity of Experimental Arthritis and on Messenger RNA Expression of Key Proinflammatory Markers in Liver. <i>Journal of Immunology Research</i> , 2016, 2016, 1-12.	0.9	12
47	Rapid determination of 20-hydroxyecdysteroids in complex mixtures by solid-phase extraction and mass spectrometry. <i>Journal of Chromatography A</i> , 1994, 658, 77-82.	1.8	11
48	Title is missing!. <i>Journal of Chemical Ecology</i> , 1998, 24, 1733-1743.	0.9	11
49	Polyphenol derivatives " potential regulators of neutrophil activity. <i>Interdisciplinary Toxicology</i> , 2012, 5, 65-70.	1.0	11
50	Affinity chromatography reveals RuBisCO as an ecdysteroid-binding protein. <i>Steroids</i> , 2008, 73, 1433-1440.	0.8	10
51	Study of Possible Mechanisms Involved in the Inhibitory Effects of Coumarin Derivatives on Neutrophil Activity. <i>Oxidative Medicine and Cellular Longevity</i> , 2013, 2013, 1-10.	1.9	10
52	Systemic effects of phytoecdysteroids on the cabbage aphid <i>Brevicoryne brassicae</i> (Sternorrhyncha: Tj ETQq0 0 0 ggBT /Overlock 10 Tf	1.2	10
53	Sesquiterpenes from the <i>Senecioneae</i> and their effect on food choice of the specialised leaf beetles <i>Oreina cacaliae</i> , <i>Oreina speciosissima</i> and the generalist snail <i>Arianta arbustorum</i> . <i>Entomologia Experimentalis Et Applicata</i> , 1996, 80, 169-172.	0.7	9
54	Diethylamine addition to natural sesquiterpenic $\hat{f}$ ±-exomethylene- $\hat{f}$ 3-lactones and its use for chemical transformations of these compounds. <i>Collection of Czechoslovak Chemical Communications</i> , 1982, 47, 2779-2785.	1.0	8

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55	Ecdysteroid 7,9(11)-dien-6-ones as potential photoaffinity labels for ecdysteroid binding proteins. <i>Journal of Insect Science</i> , 2002, 2, 1-10.	0.9	8
56	Ecdysteroid 7,9(11)-dien-6-ones as potential photoaffinity labels for ecdysteroid binding proteins. <i>Journal of Insect Science</i> , 2002, 2, 11.	0.6	8
57	Dimeric Ecdysteroid Analogues and Their Interaction with the <i>Drosophila</i> Ecdysteroid Receptor. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 1229-1238.	1.0	8
58	Immunobiological properties of sesquiterpene lactones obtained by chemically transformed structural modifications of trilobolide. <i>FÅ-toterapÅ-Åç</i> , 2015, 107, 90-99.	1.1	8
59	The effect of exogenous 24-epibrassinolide on the ecdysteroid content in the leaves of <i>Spinacia oleracea</i> L.. <i>Steroids</i> , 2015, 97, 107-112.	0.8	8
60	In vivo effect of pinosylvin and pterostilbene in the animal model of adjuvant arthritis. <i>Neuroendocrinology Letters</i> , 2010, 31 Suppl 2, 91-5.	0.2	8
61	Equol Effectively Inhibits Toxic Activity of Human Neutrophils without Influencing Their Viability. <i>Pharmacology</i> , 2016, 97, 138-145.	0.9	7
62	Formation of reactive oxygen and nitrogen species in the presence of pinosylvin - an analogue of resveratrol. <i>Neuroendocrinology Letters</i> , 2010, 31 Suppl 2, 79-83.	0.2	7
63	Effect of stilbene derivative on superoxide generation and enzyme release from human neutrophils in vitro. <i>Interdisciplinary Toxicology</i> , 2012, 5, 71-5.	1.0	6
64	Pharmacological intervention with oxidative burst in human neutrophils. <i>Interdisciplinary Toxicology</i> , 2017, 10, 56-60.	1.0	6
65	Suppression of oxidative burst in human neutrophils with the naturally occurring serotonin derivative isomer from <i>Leuzea carthamoides</i> . <i>Neuroendocrinology Letters</i> , 2010, 31 Suppl 2, 69-72.	0.2	6
66	Synergistic Insecticidal Mode of Action between Sesquiterpene Lactones and a Phototoxin, Î±-Terthienyl. <i>Photochemistry and Photobiology</i> , 2000, 71, 111-115.	1.3	4
67	Immunoassay for determination of trilobolide. <i>Steroids</i> , 2017, 117, 105-111.	0.8	4
68	Archangelolide: A sesquiterpene lactone with immunobiological potential from <i>Laserpitium archangelica</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1933-1944.	1.3	4
69	Structural modification of trilobolide for upgrading its immunobiological properties and reducing its cytotoxic action. <i>FÅ-toterapÅ-Åç</i> , 2019, 134, 88-95.	1.1	4
70	Spirostanol Saponins from Flowers of <i>Allium Porrum</i> and Related Compounds Indicating Cytotoxic Activity and Affecting Nitric Oxide Production Inhibitory Effect in Peritoneal Macrophages. <i>Molecules</i> , 2021, 26, 6533.	1.7	4
71	Different effect of two synthetic coumarin-stilbene hybrid compounds on phagocyte activity. <i>Neuroendocrinology Letters</i> , 2010, 31 Suppl 2, 73-8.	0.2	2
72	Insect feeding deterrent activity of lignans and related phenylpropanoids with a methylenedioxyphenyl (piperonyl) structure moiety. , 2002, , 51-60.		1

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73	A window into the current state of isoprenoid research. <i>Steroids</i> , 2015, 97, 1.	0.8	0
74	Pharmacological activities of sesquiterpene lactone trilobolide and its conjugates as a promising compounds for anticancer and immunomodulatory therapies. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, OR34-3.	0.0	0