

Juraj Harmatha

List of Publications by Year in descending order

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74
papers

1,781
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257450

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302126

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docs citations

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times ranked

1730
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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 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. | 3.8 | 4 |
| 2 | Archangelolide: A sesquiterpene lactone with immunobiological potential from <i>Laserpitium archangelica</i> . <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1933-1944. | 2.2 | 4 |
| 3 | Structural modification of trilobolide for upgrading its immunobiological properties and reducing its cytotoxic action. <i>FÄ-toterapÄ-Ä</i> , 2019, 134, 88-95. | 2.2 | 4 |
| 4 | 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 |
| 5 | Trilobolide-steroid hybrids: Synthesis, cytotoxic and antimycobacterial activity. <i>Steroids</i> , 2017, 117, 97-104. | 1.8 | 15 |
| 6 | Immunoassay for determination of trilobolide. <i>Steroids</i> , 2017, 117, 105-111. | 1.8 | 4 |
| 7 | Pharmacological intervention with oxidative burst in human neutrophils. <i>Interdisciplinary Toxicology</i> , 2017, 10, 56-60. | 1.0 | 6 |
| 8 | 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. | 2.2 | 12 |
| 9 | Equol Effectively Inhibits Toxic Activity of Human Neutrophils without Influencing Their Viability. <i>Pharmacology</i> , 2016, 97, 138-145. | 2.2 | 7 |
| 10 | Immunobiological properties of sesquiterpene lactones obtained by chemically transformed structural modifications of trilobolide. <i>FÄ-toterapÄ-Ä</i> , 2015, 107, 90-99. | 2.2 | 8 |
| 11 | 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. | 1.8 | 8 |
| 12 | A window into the current state of isoprenoid research. <i>Steroids</i> , 2015, 97, 1. | 1.8 | 0 |
| 13 | On the Molecular Pharmacology of Resveratrol on Oxidative Burst Inhibition in Professional Phagocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2014, 2014, 1-9. | 4.0 | 17 |
| 14 | NÄferuloylserotonin in preventive combination therapy with methotrexate reduced inflammation in adjuvant arthritis. <i>Fundamental and Clinical Pharmacology</i> , 2014, 28, 616-626. | 1.9 | 16 |
| 15 | Trilobolide and related sesquiterpene lactones from <i>Laser trilobum</i> possessing immunobiological properties. <i>FÄ-toterapÄ-Ä</i> , 2013, 89, 157-166. | 2.2 | 22 |
| 16 | The Effects of Pterostilbene on Neutrophil Activity in Experimental Model of Arthritis. <i>BioMed Research International</i> , 2013, 2013, 1-7. | 1.9 | 20 |
| 17 | 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. | 4.0 | 10 |
| 18 | Decreased activity and accelerated apoptosis of neutrophils in the presence of natural polyphenols. <i>Interdisciplinary Toxicology</i> , 2012, 5, 59-64. | 1.0 | 18 |

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|----|---|-----|-----------|
| 19 | 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 |
| 20 | Polyphenol derivatives – potential regulators of neutrophil activity. <i>Interdisciplinary Toxicology</i> , 2012, 5, 65-70. | 1.0 | 11 |
| 21 | 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 |
| 22 | 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 |
| 23 | 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. | 6.1 | 36 |
| 24 | Phytochemical feeding deterrents for stored product insect pests. <i>Phytochemistry Reviews</i> , 2012, 11, 543-566. | 6.5 | 36 |
| 25 | Immunobiological properties of selected natural and chemically modified phenylpropanoids. <i>Interdisciplinary Toxicology</i> , 2011, 4, 5-10. | 1.0 | 15 |
| 26 | 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. | 3.3 | 15 |
| 27 | Sesquiterpene lactone trilobolide activates production of interferon- γ and nitric oxide. <i>FÄ-toterapÄ-tÄ</i> , 2010, 81, 1213-1219. | 2.2 | 15 |
| 28 | 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 |
| 29 | 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 |
| 30 | 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 |
| 31 | 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 |
| 32 | 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 |
| 33 | 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 |
| 34 | Phytoecdysteroids: Diversity, Biosynthesis and Distribution. , 2009, , 3-45. | | 40 |
| 35 | 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. | 3.5 | 23 |
| 36 | Lack of interference of common phytoecdysteroids with production of nitric oxide by immune-activated mammalian macrophages. <i>Steroids</i> , 2008, 73, 466-471. | 1.8 | 12 |

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|----|--|-----|-----------|
| 37 | Additional minor ecdysteroid components of <i>Leuzea carthamoides</i> . <i>Steroids</i> , 2008, 73, 502-514. | 1.8 | 49 |
| 38 | Affinity chromatography reveals RuBisCO as an ecdysteroid-binding protein. <i>Steroids</i> , 2008, 73, 1433-1440. | 1.8 | 10 |
| 39 | Structure-efficiency relationship in derivatives of stilbene. Comparison of resveratrol, pinosylvin and pterostilbene. <i>Neuroendocrinology Letters</i> , 2008, 29, 802-5. | 0.2 | 36 |
| 40 | 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 |
| 41 | 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 |
| 42 | Ecdysteroid Glycosides: Identification, Chromatographic Properties, and Biological Significance. <i>Journal of Chromatographic Science</i> , 2005, 43, 149-157. | 1.4 | 19 |
| 43 | Systemic effects of phytoecdysteroids on the cabbage aphid <i>Brevicoryne brassicae</i> (Sternorrhyncha: Tj ETQq1 1 0.784314 rgBT /Overdo | 1.2 | 10 |
| 44 | Biological activities of lignans and stilbenoids associated with plant-insect chemical interactions. <i>Phytochemistry Reviews</i> , 2003, 2, 321-330. | 6.5 | 135 |
| 45 | 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 |
| 46 | Minor Ecdysteroid Components of <i>Leuzea carthamoides</i> . <i>Collection of Czechoslovak Chemical Communications</i> , 2002, 67, 124-139. | 1.0 | 53 |
| 47 | Ecdysteroid 7,9(11)-dien-6-ones as potential photoaffinity labels for ecdysteroid binding proteins. <i>Journal of Insect Science</i> , 2002, 2, 11. | 1.5 | 8 |
| 48 | Photochemical transformation of 20-hydroxyecdysone: production of monomeric and dimeric ecdysteroid analogues. <i>Steroids</i> , 2002, 67, 127-135. | 1.8 | 36 |
| 49 | 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. | 2.7 | 23 |
| 50 | 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. | 2.3 | 19 |
| 51 | 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. | 1.4 | 54 |
| 52 | Insect feeding deterrent activity of lignans and related phenylpropanoids with a methylenedioxyphenyl (piperonyl) structure moiety. , 2002, , 51-60. | | 1 |
| 53 | Chromatographic procedures for the isolation of plant steroids. <i>Journal of Chromatography A</i> , 2001, 935, 105-123. | 3.7 | 132 |
| 54 | 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. | 1.4 | 28 |

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|----|---|-----|-----------|
| 55 | Synergistic Insecticidal Mode of Action between Sesquiterpene Lactones and a Phototoxin, $\hat{1}\pm$ -Terthienyl. Photochemistry and Photobiology, 2000, 71, 111-115. | 2.5 | 4 |
| 56 | Symposium-in-Print Synergistic Insecticidal Mode of Action between Sesquiterpene Lactones and a Phototoxin, $\hat{1}\pm$ -Terthienyl. Photochemistry and Photobiology, 2000, 71, 111. | 2.5 | 34 |
| 57 | Title is missing!. Journal of Chemical Ecology, 1998, 24, 1733-1743. | 1.8 | 11 |
| 58 | New ergostane type ecdysteroids from fungi. Ecdysteroid constituents of mushroom <i>Paxillus atrotomentosus</i> . Tetrahedron, 1998, 54, 1657-1666. | 1.9 | 28 |
| 59 | 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., Tetrahedron, 1998, 54, 1657].1. Phytochemistry, 1998, 49, 2109-2114. | 2.9 | 53 |
| 60 | Biological activity of natural and synthetic ecdysteroids in the B11 bioassay. Archives of Insect Biochemistry and Physiology, 1997, 35, 219-225. | 1.5 | 43 |
| 61 | 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> . Entomologia Experimentalis Et Applicata, 1996, 80, 169-172. | 1.4 | 9 |
| 62 | Rapid determination of 20-hydroxyecdysteroids in complex mixtures by solid-phase extraction and mass spectrometry. Journal of Chromatography A, 1994, 658, 77-82. | 3.7 | 11 |
| 63 | Regioselective synthesis of 20-hydroxyecdysone glycosides. Tetrahedron, 1994, 50, 9679-9690. | 1.9 | 32 |
| 64 | Ecdysteroids from the roots of <i>Leuzea carthamoides</i> . Phytochemistry, 1994, 37, 707-711. | 2.9 | 58 |
| 65 | Cyclic Phenylboronates of Ecdysteroids as Products of Regiospecific Reaction with Phenylboronic Acid. Collection of Czechoslovak Chemical Communications, 1993, 58, 612-618. | 1.0 | 13 |
| 66 | Phenylboronic acid as a versatile derivatization agent for chromatography of ecdysteroids. Journal of Chromatography A, 1992, 596, 271-275. | 3.7 | 19 |
| 67 | Antifeeding activity of rotenone and some derivatives towards selected insect storage pests. Biochemical Systematics and Ecology, 1989, 17, 55-57. | 1.3 | 36 |
| 68 | Identification of a spirostane-type saponin in the flowers of leek with inhibitory effects on growth of leek-moth larvae. Biochemical Systematics and Ecology, 1987, 15, 113-116. | 1.3 | 39 |
| 69 | Comparison of the feeding deterrent activity of some sesquiterpene lactones and a lignan lactone towards selected insect storage pests. Biochemical Systematics and Ecology, 1984, 12, 95-98. | 1.3 | 66 |
| 70 | Insect feeding deterrent activity of bisabolangelone and of some sesquiterpenes of eremophilane type. Biochemical Systematics and Ecology, 1984, 12, 99-101. | 1.3 | 39 |
| 71 | Diethylamine addition to natural sesquiterpenic $\hat{1}\pm$ -exomethylene- $\hat{1}^3$ -lactones and its use for chemical transformations of these compounds. Collection of Czechoslovak Chemical Communications, 1982, 47, 2779-2785. | 1.0 | 8 |
| 72 | The structure of yatein. Determination of the positions, and configurations of benzyl groups in lignans of the 2,3-dibenzylbutyrolactone type. Collection of Czechoslovak Chemical Communications, 1982, 47, 644-663. | 1.0 | 38 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Phenolic and terpenoid heartwood constituents of <i>Libocedrus yateensis</i> . <i>Phytochemistry</i> , 1979, 18, 1495-1500. | 2.9 | 50 |
| 74 | 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 |