Ivan Kosalec

List of Publications by Year in descending order

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		172457	214800
91	2,600	29	47
papers	citations	h-index	g-index

92	92	92	4207
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Antifungal activity of thyme (Thymus vulgaris L.) essential oil and thymol against moulds from damp dwellings. Letters in Applied Microbiology, 2007, 44, 36-42.	2.2	174
2	Evaluation of antioxidant activities and phenolic content of Berberis vulgaris L. and Berberis croatica Horvat. Food and Chemical Toxicology, 2010, 48, 2176-2180.	3.6	133
3	Contaminants of Medicinal Herbs and Herbal Products. Arhiv Za Higijenu Rada I Toksikologiju, 2009, 60, 485-501.	0.7	129
4	Quantitative analysis of the flavonoids in raw propolis from northern Croatia. Acta Pharmaceutica, 2004, 54, 65-72.	2.0	120
5	Galangin expresses bactericidal activity against multiple-resistant bacteria: MRSA,Enterococcusspp. andPseudomonas aeruginosa. FEMS Microbiology Letters, 2004, 240, 111-116.	1.8	80
6	Antioxidant and antimicrobial properties of Moltkia petraea (Tratt.) Griseb. flower, leaf and stem infusions. Food and Chemical Toxicology, 2010, 48, 1537-1542.	3.6	73
7	Analysis of triclosan inclusion complexes with Î²-cyclodextrin and its water-soluble polymeric derivative. Journal of Pharmaceutical and Biomedical Analysis, 2011, 54, 1030-1039.	2.8	73
8	Radioprotective effects of propolis and quercetin in Î³-irradiated mice evaluated by the alkaline comet assay. Phytomedicine, 2008, 15, 851-858.	5.3	72
9	Anthraquinone profile, antioxidant and antimicrobial activity of bark extracts of Rhamnus alaternus, R. fallax, R. intermedia and R. pumila. Food Chemistry, 2013, 136, 335-341.	8.2	68
10	Co-occurrence of Aflatoxins, Ochratoxin A, Fumonisins, and Zearalenone in Cereals and Feed, Determined by Competitive Direct Enzyme-Linked Immunosorbent Assay and Thin-Layer Chromatography. Arhiv Za Higijenu Rada I Toksikologiju, 2009, 60, 427-434.	0.7	66
11	Antimicrobial activity of juniper berry essential oil (Juniperus communis L., Cupressaceae). Acta Pharmaceutica, 2005, 55, 417-22.	2.0	64
12	Anthraquinone profiles, antioxidant and antimicrobial properties of Frangula rupestris (Scop.) Schur and Frangula alnus Mill. bark. Food Chemistry, 2012, 131, 1174-1180.	8.2	62
13	Arbutin and its metabolite hydroquinone as the main factors in the antimicrobial effect of strawberry tree (Arbutus unedo L.) leaves. Journal of Herbal Medicine, 2017, 8, 17-23.	2.0	62
14	Antifungal activity of fluid extract and essential oil from anise fruits (Pimpinella anisum L., Apiaceae). Acta Pharmaceutica, 2005, 55, 377-85.	2.0	62
15	Membrane of Candida albicans as a target of berberine. BMC Complementary and Alternative Medicine, 2017, 17, 268.	3.7	58
16	Assessment of DNA damage and lipid peroxidation in diabetic mice: Effects of propolis and epigallocatechin gallate (EGCG). Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2013, 757, 36-44.	1.7	57
17	Assessment by Survival Analysis of the Radioprotective Properties of Propolis and Its Polyphenolic Compounds. Biological and Pharmaceutical Bulletin, 2007, 30, 946-951.	1.4	54
18	Antioxidant and antimicrobial properties of Teucrium arduini L. (Lamiaceae) flower and leaf infusions (Teucrium arduini L. antioxidant capacity). Food and Chemical Toxicology, 2010, 48, 113-119.	3.6	53

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19	Modulation of antioxidant, chelating and antimicrobial activity of poplar chemo-type propolis by extraction procures. LWT - Food Science and Technology, 2014, 57, 530-537.	5.2	53
20	Flavonoid analysis and antimicrobial activity of commercially available propolis products. Acta Pharmaceutica, 2005, 55, 423-30.	2.0	48
21	Croatian barberry (Berberis croatica Horvat): a new source of berberineâ€”analysis and antimicrobial activity. World Journal of Microbiology and Biotechnology, 2009, 25, 145-150.	3.6	42
22	Synergystic Antitumor Effect of Polyphenolic Components of Water Soluble Derivative of Propolis against Ehrlich Ascites Tumour. Biological and Pharmaceutical Bulletin, 2005, 28, 694-700.	1.4	39
23	Cytotoxicity and genotoxicity of versicolorins and 5-methoxysterigmatocystin in A549 cells. Archives of Toxicology, 2012, 86, 1583-1591.	4.2	38
24	Amidated pectin-based wafers for econazole buccal delivery: Formulation optimization and antimicrobial efficacy estimation. Carbohydrate Polymers, 2015, 121, 231-240.	10.2	35
25	Hydroxytyrosol Expresses Antifungal Activity In Vitro. Current Drug Targets, 2013, 14, 992-998.	2.1	34
26	Characterization and microbiological evaluation of chitosan-alginate microspheres for cefixime vaginal administration. Carbohydrate Polymers, 2018, 192, 176-183.	10.2	32
27	Antimicrobial Activity of Willowherb (Epilobium angustifolium L.) Leaves and Flowers. Current Drug Targets, 2013, 14, 986-991.	2.1	32
28	Chemotaxonomic and Micromorphological Traits of Satureja montana L. and S. subspicata<scp>Vis</scp>. (Lamiaceae). Chemistry and Biodiversity, 2012, 9, 2825-2842.	2.1	30
29	Development of low methoxy amidated pectin-based mucoadhesive patches for buccal delivery of triclosan: Effect of cyclodextrin complexation. Carbohydrate Polymers, 2012, 90, 1794-1803.	10.2	30
30	Analysis of propolis from the continental and Adriatic regions of Croatia. Acta Pharmaceutica, 2003, 53, 275-85.	2.0	29
31	Synthesis, Modification and Characterization of Antimicrobial Textile Surface Containing ZnO Nanoparticles. Polymers, 2020, 12, 1210.	4.5	28
32	Novel urea and bis -urea primaquine derivatives with hydroxyphenyl or halogenphenyl substituents: Synthesis and biological evaluation. European Journal of Medicinal Chemistry, 2016, 124, 622-636.	5.5	27
33	Investigation of Chemical Compounds, Antioxidant and Antimicrobial Properties of Teucrium arduini L. (Lamiaceae). Current Drug Targets, 2013, 14, 1006-1014.	2.1	26
34	The effect of chitosan nanoparticles onto Lactobacillus cells. Reactive and Functional Polymers, 2015, 97, 56-62.	4.1	25
35	Antimicrobial and Antioxidant Properties of <i>Satureja Montana</i> L. and S. Subspicata Vis. (Lamiaceae). Current Drug Targets, 2015, 16, 1623-1633.	2.1	25
36	Surface modification of silicone with colloidal polysaccharides formulations for the development of antimicrobial urethral catheters. Applied Surface Science, 2019, 463, 889-899.	6.1	24

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37	Antioxidant and antimicrobial properties of Veronica spicata L. (Plantaginaceae). Current Drug Targets, 2015, 16, 1660-1670.	2.1	22
38	The First Report on Mushroom Green Mould Disease in Croatia / Prvi IzvjeÅ¡taj O Bolesti Zelene Plijesni U Hrvatskoj. Arhiv Za Higijenu Rada I Toksikologiju, 2012, 63, 481-487.	0.7	21
39	Chemical Composition and Antimicrobial Activity of Volatiles from Degenia velebitica, a European Stenoendemic Plant of the Brassicaceae Family. Chemistry and Biodiversity, 2010, 7, 2755-2765.	2.1	20
40	Phytochemical Analysis and Biological Evaluation of Selected African Propolis Samples from Cameroon and Congo. Natural Product Communications, 2015, 10, 1934578X1501000.	0.5	20
41	Micromorphological and Chemotaxonomical Traits of Micromeria croatica (<scp>Pers.) Schott</scp>. Chemistry and Biodiversity, 2012, 9, 755-768.	2.1	19
42	Morphological, genetic and phytochemical variation of the endemic Teucrium arduini L. (Lamiaceae). Phytochemistry, 2015, 116, 111-119.	2.9	19
43	Inhibition of Satellite RNA Associated Cucumber Mosaic Virus Infection by Essential Oil of Micromeria croatica (Pers.) Schott. Molecules, 2019, 24, 1342.	3.8	18
44	Antifungal Activity of Oleuropein against Candida albicansâ€"The In Vitro Study. Molecules, 2016, 21, 1631.	3.8	17
45	Olive leaf extract activity against Candida albicans and C. dubliniensis â€“ the in vitro viability study. Acta Pharmaceutica, 2016, 66, 411-421.	2.0	17
46	Mycotoxigenicity of clinical and environmental Aspergillus fumigatus and A. flavus isolates. Acta Pharmaceutica, 2005, 55, 365-75.	2.0	17
47	Antifungal and Anti-Virulent Activity of Origanum majorana L. Essential Oil on Candida albicans and In Vivo Toxicity in the Galleria mellonella Larval Model. Molecules, 2022, 27, 663.	3.8	16
48	Anthraquinone Profile, Antioxidant and Antimicrobial Properties of Bark Extracts of Rhamnus catharticus and R. orbiculatus. Natural Product Communications, 2011, 6, 1934578X1100600.	0.5	15
49	Micromorphological and phytochemical traits of four Clinopodium L. species (Lamiaceae). South African Journal of Botany, 2017, 111, 232-241.	2.5	15
50	Multicomponent Approach to a Library of N-Substituted Î³-Lactams. ACS Combinatorial Science, 2019, 21, 28-34.	3.8	15
51	Isolation and cytotoxicity of low-molecular-weight metabolites of Candida albicans. Frontiers in Bioscience - Landmark, 2008, Volume, 6893.	3.0	14
52	Synthesis and biological evaluation ofO-methyl andO-ethyl NSAID hydroxamic acids. Journal of Enzyme Inhibition and Medicinal Chemistry, 2009, 24, 1179-1187.	5.2	14
53	Nonaqueous Polyethylene Glycol as a Safer Alternative to Ethanolic Propolis Extracts with Comparable Antioxidant and Antimicrobial Activity. Antioxidants, 2021, 10, 978.	5.1	14
54	A morphological and chemotaxonomic study ofTeucrium arduiniL. in Croatia, and Bosnia and Herzegovina. Plant Biosystems, 2012, 146, 402-412.	1.6	13

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55	Development of Antibacterial Protective Coatings Active against MSSA and MRSA on Biodegradable Polymers. Polymers, 2021, 13, 659.	4.5	13
56	Protective effects of olive oil phenolics oleuropein and hydroxytyrosol against hydrogen peroxide-induced DNA damage in human peripheral lymphocytes. Acta Pharmaceutica, 2021, 71, 131-141.	2.0	13
57	Assessment of Tryptophol Genotoxicity in Four Cell Lines In Vitro: A Pilot Study with Alkaline Comet Assay. Arhiv Za Higijenu Rada I Toksikologiju, 2011, 62, 41-49.	0.7	12
58	Genetic and phytochemical variability of six Teucrium arduini L. populations and their antioxidant/prooxidant behaviour examined by biochemical, macromolecule- and cell-based approaches. Food Chemistry, 2015, 186, 298-305.	8.2	12
59	Micromorphological traits and essential oil contents of Micromeria kerneri Murb. and M. juliana (L.) Benth. (Lamiaceae). Phytochemistry, 2014, 98, 128-136.	2.9	11
60	Insights into biological activity of ureidoamides with primaquine and amino acid moieties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 376-382.	5.2	10
61	The evaluation of the inÂvitro antimicrobial properties of fibers functionalized by chitosan nanoparticles. Textile Reseach Journal, 2019, 89, 748-761.	2.2	10
62	Verruculogen production in airborne and clinical isolates of Aspergillus fumigatus Fres. Acta Pharmaceutica, 2005, 55, 357-64.	2.0	9
63	Genotoxicity of Tryptophol in a Battery of Shortâ€Term Assays on Human White Blood Cells in vitro. Basic and Clinical Pharmacology and Toxicology, 2008, 102, 443-452.	2.5	8
64	Antimicrobial activity of Thymus longicaulis C. Presl essential oil against respiratory pathogens. Open Life Sciences, 2012, 7, 1109-1115.	1.4	8
65	Phytochemical and Micromorphological Traits of Geranium dalmaticum and G. macrorrhizum (Geraniaceae). Natural Product Communications, 2013, 8, 1934578X1300800.	0.5	8
66	Antimicrobial efficiency evaluation by monitoring potassium efflux for cellulose fibres functionalised by chitosan. Cellulose, 2015, 22, 1933-1942.	4.9	8
67	Asymmetric Primaquine and Halogenaniline Fumardiamides as Novel Biologically Active Michael Acceptors. Molecules, 2018, 23, 1724.	3.8	8
68	Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopesâ€“6. Molecules, 2020, 25, 119.	3.8	8
69	Antimicrobial assesment of aroylhydrazone derivatives in vitro. Acta Pharmaceutica, 2019, 69, 277-285.	2.0	8
70	Molecular and cellular approach in the study of antioxidant/pro-oxidant properties ofMicromeria croatica(Pers.) Schott. Natural Product Research, 2015, 29, 1770-1774.	1.8	7
71	The Influence of Extraction Parameters on Antimicrobial Activity of Propolis Extracts. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	7
72	Antimicrobial Effectiveness of Cellulose based Fabrics treated with Silver Nitrate Solution using Plasma Processes. Tekstilec, 2017, 60, 247-253.	0.6	7

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73	Globularia alypum L. and Related Species: LC-MS Profiles and Antidiabetic, Antioxidant, Anti-Inflammatory, Antibacterial and Anticancer Potential. Pharmaceuticals, 2022, 15, 506.	3.8	7
74	Chemical traits and antimicrobial activity of endemic Teucrium arduini L. from Mt Biokovo (Croatia). Open Life Sciences, 2012, 7, 941-947.	1.4	6
75	Phytochemical Traits and Biological Activity of Eryngium amethystinum and E. alpinum (Apiaceae). Horticulturae, 2021, 7, 364.	2.8	6
76	Design and synthesis of novel antimicrobial peptide scaffolds. Bioorganic Chemistry, 2020, 103, 104178.	4.1	5
77	Breakthroughs in Medicinal Chemistry: New Targets and Mechanisms, New Drugs, New Hopesâ€“7. Molecules, 2020, 25, 2968.	3.8	5
78	In Vitro Confirmation of Siramesine as a Novel Antifungal Agent with In Silico Lead Proposals of Structurally Related Antifungals. Molecules, 2021, 26, 3504.	3.8	5
79	Influence of media and temperature on gliotoxin production in Aspergillus fumigatus strains. Arhiv Za Higijenu Rada I Toksikologiju, 2005, 56, 269-73.	0.7	5
80	First Extensive Polyphenolic Profile of Erodium cicutarium with Novel Insights to Elemental Composition and Antioxidant Activity. Chemistry and Biodiversity, 2020, 17, e2000280.	2.1	4
81	The Antimicrobial Activities of Oleuropein and Hydroxytyrosol. , 2022, , 75-89.		4
82	Phytochemical and Micromorphological Traits of Endemic Micromeria pseudocroatica (Lamiaceae). Natural Product Communications, 2012, 7, 1934578X1200701.	0.5	3
83	Antifungal activity of some Sternbergia taxa: effects on germ tube and biofilm formation. Brazilian Journal of Pharmaceutical Sciences, 0, 55, .	1.2	3
84	Phytochemical and micromorphological traits of endemic Micromeria pseudocroatica (Lamiaceae). Natural Product Communications, 2012, 7, 1667-70.	0.5	3
85	The Influence of Extraction Parameters on Antimicrobial Activity of Propolis Extracts. Natural Product Communications, 2017, 12, 47-50.	0.5	3
86	New localities of the subendemic species Berberis croatica, Teucrium arduini and Micromeria croatica in the Dinaric Alps. Acta Botanica Croatica, 2011, 70, 289-300.	0.7	2
87	Influence of Soil Traits on Polyphenols Level in Moltkia petraea (Tratt.) Griseb. (Boraginaceae). Acta Botanica Croatica, 2016, 75, 266-271.	0.7	2
88	The Spectrum of Berberine Antibacterial and Antifungal Activities. , 2022, , 119-132.		2
89	Micromorphological traits and essential oil of Micromeria longipedunculata BrÃuchler (Lamiaceae). Open Life Sciences, 2014, 9, 559-568.	1.4	1
90	Antibacterial Fractions from Erodium cicutarium Exposedâ€”Clinical Strains of Staphylococcus aureus in Focus. Antibiotics, 2022, 11, 492.	3.7	1

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91	Morphological variability of leaf and shoot traits of four barberry taxa (Berberis L.) from the Balkan Peninsula and Sicily. Botanica Serbica, 2020, 44, 137-148.	1.0	0