VladimÃ-r Buchta

List of Publications by Year
in descending order

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71 papers	1,857 citations	257429 24 h-index	289230 40 g-index
80 all docs	80 docs citations	80 times ranked	2573 citing authors

#	Article	IF	Citations
1	Unambiguous determination of farnesol and tyrosol in vaginal fluid using fast and sensitive UHPLC-MS/MS method. Analytical and Bioanalytical Chemistry, 2020, 412, 6529-6541.	3.7	6
2	Saprochaete clavata Invasive Infections â€“ A New Threat to Hematological-Oncological Patients. Frontiers in Microbiology, 2019, 10, 2196.	3.5	28
3	Fungal Keratitis Caused by Colletotrichum dematium: Case Study and Review. Mycopathologia, 2019, 184, 441-453.	3.1	13
4	Comparison of two longâ€term gestagen regimens in the management of recurrent vulvovaginal candidiasis: A pilot study. Mycoses, 2017, 60, 260-265.	4.0	4
5	Design, Synthesis, and Biological Evaluation of Isothiosemicarbazones with Antimycobacterial Activity. Archiv Der Pharmazie, 2017, 350, 1700020.	4.1	5
6	Novel Halogenated Pyrazine-Based Chalcones as Potential Antimicrobial Drugs. Molecules, 2016, 21, 1421.	3.8	28
7	Synthesis and Antifungal Screening of 2-{[1-(5-Alkyl/arylalkylpyrazin-2-yl)ethylidene]hydrazono}-1,3-thiazolidin-4-ones. Molecules, 2016, 21, 1592.	3.8	8
8	Methodology for Synthesis of Enantiopure 3,5â€Disubstituted Pyrrolâ€2â€ones. European Journal of Organic Chemistry, 2015, 2015, 5414-5423.	2.4	11
9	Synthesis and antimicrobial activity of sulphamethoxazole-based ureas and imidazolidine-2,4,5-triones. Chemical Papers, 2015, 69, .	2.2	7
10	Novel Pyrazine Analogs of Chalcones: Synthesis and Evaluation of Their Antifungal and Antimycobacterial Activity. Molecules, 2015, 20, 1104-1117.	3.8	32
11	New Potentially Active Pyrazinamide Derivatives Synthesized Under Microwave Conditions. Molecules, 2014, 19, 9318-9338.	3.8	6
12	Salicylanilide diethyl phosphates: Synthesis, antimicrobial activity and cytotoxicity. Bioorganic and Medicinal Chemistry, 2014, 22, 728-737.	3.0	16
13	Outbreak of Fungal Endophthalmitis Due to Fusarium oxysporum Following Cataract Surgery. Mycopathologia, 2014, 177, 115-121.	3.1	37
14	Cryptococcus neoformans meningoencephalitis in a patient with polyarteritis nodosa. Folia Microbiologica, 2014, 59, 515-521.	2.3	3
15	Healthcareâ€associated infections in gynecology and obstetrics at a university hospital in the Czech Republic. International Journal of Gynecology and Obstetrics, 2014, 126, 240-243.	2.3	4
16	Synthesis and Biological Activity of Quaternary Ammonium Saltâ€Type Agents Containing Cholesterol and Terpenes. Archiv Der Pharmazie, 2014, 347, 381-386.	4.1	7
17	In vitro antimicrobial activity of light-activated phthalocyanines. Open Life Sciences, 2013, 8, 168-177.	1.4	7
18	Leptospirosis: possibilities of early laboratory and clinical diagnosis. Open Medicine (Poland), 2013, 8, 84-89.	1.3	3

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19	Radiofrequency Therapy for Severe Idiopathic Vulvodynia. Journal of Lower Genital Tract Disease, 2013, 17, e1-e4.	1.9	4
20	In Vitro Antibacterial and Antifungal Activity of Salicylanilide Pyrazine-2- carboxylates. Medicinal Chemistry, 2012, 8, 732-741.	1.5	11
21	Preparation of Quinolinium Salts Differing in the Length of the Alkyl Side Chain. Molecules, 2012, 17, 6386-6394.	3.8	11
22	In VitroAntibacterial and Antifungal Activity of Salicylanilide Benzoates. Scientific World Journal, The, 2012, 2012, 1-7.	2.1	17
23	Laboratory diagnostics of invasive fungal infections: an overview with emphasis on molecular approach. Folia Microbiologica, 2012, 57, 421-430.	2.3	20
24	Antimicrobial activity of sulfonamides containing 5-chloro-2-hydroxybenzaldehyde and 5-chloro-2-hydroxybenzoic acid scaffold. European Journal of Medicinal Chemistry, 2012, 50, 433-440.	5.5	70
25	Synthesis and biological activity of desmethoxy analogues of coruscanone A. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 6062-6066.	2.2	11
26	In vitro antifungal activity of propolis samples of Czech and Slovak origin. Open Life Sciences, 2011, 6, 160-166.	1.4	6
27	Photodynamic antimicrobial therapy. Open Life Sciences, 2010, 5, 400-406.	1.4	22
28	Stereospecific reduction of the original anticancer drug oracin in rat extrahepatic tissues. Journal of Pharmacy and Pharmacology, 2010, 55, 1003-1011.	2.4	1
29	Targeted antifungal delivery system: Î²-Glucosidase sensitive nystatinâ€“star poly(ethylene glycol) conjugate. International Journal of Pharmaceutics, 2010, 386, 1-5.	5.2	19
30	Ultra high performance liquid chromatography tandem mass spectrometry analysis of quorum-sensing molecules of Candida albicans. Journal of Pharmaceutical and Biomedical Analysis, 2010, 53, 674-681.	2.8	16
31	Antifungal 3,5-disubstituted furanones: From 5-acyloxymethyl to 5-alkylidene derivatives. Bioorganic and Medicinal Chemistry, 2010, 18, 1988-2000.	3.0	24
32	N-Benzylsalicylthioamides as novel compounds with promising antimycotic activity. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 4535-4538.	2.2	3
33	3,5-Disubstituted pyranone analogues of highly antifungally active furanones: Conversion of biological effect from antifungal to cytostatic. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 7358-7360.	2.2	23
34	New amino acid esters of salicylanilides active against MDR-TB and other microbes. European Journal of Medicinal Chemistry, 2010, 45, 6106-6113.	5.5	31
35	Synthesis, Antimycobacterial, Antifungal and Photosynthesis-Inhibiting Activity of Chlorinated N-phenylpyrazine-2-carboxamides â€. Molecules, 2010, 15, 8567-8581.	3.8	36
36	Salicylanilide esters of N-protected amino acids as novel antimicrobial agents. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 348-351.	2.2	47

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37	Cytostatic tetrazoleâ€“butenolide conjugates: linking tetrazole and butenolide rings via stille coupling and biological activity of the target substances. Collection of Czechoslovak Chemical Communications, 2009, 74, 1161-1178.	1.0	6
38	Hospital antibiotic management in the Czech Republic â€“ results of the ABS maturity survey of the ABS International group. Wiener Klinische Wochenschrift, 2008, 120, 289-293.	1.9	4
39	Synthesis, Antimycobacterial and Antifungal Evaluation of 3â€Arylaminopyrazineâ€2,5â€dicarbonitriles. Archiv Der Pharmazie, 2008, 341, 61-65.	4.1	10
40	C,Nâ€chelated triorganotin(IV) diesters of 4â€ketopimelic acid and their fungicidal activity. Applied Organometallic Chemistry, 2008, 22, 308-313.	3.5	12
41	Synthesis and antimycobacterial evaluation of substituted pyrazinecarboxamides. European Journal of Medicinal Chemistry, 2008, 43, 1105-1113.	5.5	61
42	New targeting system for antimycotic drugs: Î²-Glucosidase sensitive Amphotericin Bâ€“star poly(ethylene glycol) conjugate. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 2952-2956.	2.2	22
43	Identification and Characterization of Thiosemicarbazones with Antifungal and Antitumor Effects: Cellular Iron Chelation Mediating Cytotoxic Activity. Chemical Research in Toxicology, 2008, 21, 1878-1889.	3.3	62
44	A case of endocarditis caused by the yeastPichia fabianiiwith biofilm production and developedin vitroresistance to azoles in the course of antifungal treatment. Medical Mycology, 2008, 46, 601-605.	0.7	39
45	Antimicrobial Evaluation of Some Arylsulfanylpyrazinecarboxylic Acid Derivatives. Medicinal Chemistry, 2007, 3, 277-280.	1.5	6
46	Clinical aspects and luteal phase assessment in patients with recurrent vulvovaginal candidiasis. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2007, 131, 198-202.	1.1	28
47	Salicylanilide Acetates: Synthesis and Antibacterial Evaluation. Molecules, 2007, 12, 1-12.	3.8	40
48	Synthesis and Biological Evaluation of (E)-3-(Nitrophenyl)-1-(pyrazin-2-yl)prop-2-en-1-ones. Collection of Czechoslovak Chemical Communications, 2006, 71, 44-58.	1.0	20
49	Substituted Pyrazinecarboxamides: Synthesis and Biological Evaluation. Molecules, 2006, 11, 242-256.	3.8	54
50	Antifungal susceptibility testing by flow cytometry: is it the future?. Mycoses, 2006, 49, 261-273.	4.0	31
51	Investigation of the mechanism of action of 3-(4-bromophenyl)-5-acyloxymethyl-2,5-dihydrofuran-2-one against Candida albicans by flow cytometry. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2492-2495.	2.2	16
52	Antifungal properties of new series of quinoline derivatives. Bioorganic and Medicinal Chemistry, 2006, 14, 3592-3598.	3.0	249
53	The serum levels of calcium, magnesium, iron and zinc in patients with recurrent vulvovaginal candidosis during attack, remission and in healthy controls. Mycoses, 2005, 48, 391-395.	4.0	24
54	Structure of azo dye organotin(IV) compounds containing a C,N-chelating ligand, part II, and theirin vitroantifungal activity. Applied Organometallic Chemistry, 2005, 19, 500-509.	3.5	19

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55	Highly Lipophilic Benzoxazoles with Potential Antibacterial Activity. Molecules, 2005, 10, 783-793.	3.8	59
56	Quinaldine Derivatives: Preparation and Biological Activity. Medicinal Chemistry, 2005, 1, 591-599.	1.5	53
57	In Vitro Activities of 3-(Halogenated Phenyl)-5-Acyloxymethyl- 2,5-Dihydrofuran-2-ones against Common and Emerging Yeasts and Molds. Antimicrobial Agents and Chemotherapy, 2004, 48, 873-878.	3.2	18
58	Antimycobacterial and Antifungal Isosters of Salicylamides.. ChemInform, 2003, 34, no.	0.0	0
59	Antimycobacterial and Antifungal Isosters of Salicylamides. Archiv Der Pharmazie, 2003, 336, 322-335.	4.1	26
60	Synthesis and structureâ€“antifungal activity Relationships of 3-Aryl-5-alkyl-2,5-dihydrofuran-2-ones and Their Carbanalogues: further refinement of tentative pharmacophore group. Bioorganic and Medicinal Chemistry, 2003, 11, 2843-2866.	3.0	64
61	Synthesis and biological activity of 5-alkyl-6-(alkylsulfanyl)- or 5-alkyl-6-(arylsulfanyl)pyrazine-2-carboxamides and corresponding thioamides. Il Farmaco, 2002, 57, 71-78.	0.9	21
62	Ring substituted 3-phenyl-1-(2-pyrazinyl)-2-propen-1-ones as potential photosynthesis-inhibiting, antifungal and antimycobacterial agents. Il Farmaco, 2002, 57, 135-144.	0.9	39
63	Structure andin vitroantifungal activity of [2,6-bis(dimethylaminomethyl)phenyl]diphenyltin(IV) compounds. Applied Organometallic Chemistry, 2002, 16, 315-322.	3.5	68
64	3-Phenyl-5-acyloxymethyl-2H,5H-furan-2-ones:â€‰ Synthesis and Biological Activity of a Novel Group of Potential Antifungal Drugs. Journal of Medicinal Chemistry, 2001, 44, 2701-2706.	6.4	71
65	Synthesis and Antifungal Activity Evaluation of 3-Hetaryl-2,5-dihydrofuran-2-ones. An Unusual Fragmentation of the Oxazole Ring via 2,3-Selenoxide Shift. Collection of Czechoslovak Chemical Communications, 2001, 66, 1809-1830.	1.0	18
66	Synthesis of 2-benzylthiopyridine-4-carbothioamide derivatives and their antimycobacterial, antifungal and photosynthesis-inhibiting activity. European Journal of Medicinal Chemistry, 1999, 34, 433-440.	5.5	43
67	Factors Affecting the Results of a Broth Microdilution Antifungal Susceptibility Testing In Vitro. Zentralblatt Fur Bakteriologie: International Journal of Medical Microbiology, 1996, 283, 375-390.	0.5	6
68	Research on Antifungal and Antimycobacterial Agents. Synthesis and Activity of 4-Alkylthiopyridine-2-carbothioamides. Archiv Der Pharmazie, 1996, 329, 438-442.	4.1	13
69	Synthesis and Antituberculotic Properties of Some Substituted Pyrazinecarbothioamides. Collection of Czechoslovak Chemical Communications, 1996, 61, 1102-1108.	1.0	12
70	Synthesis and Antituberculotic Activity of Some Substituted 3-Arylamino-5-cyano-2-pyrazinecarboxamides. Collection of Czechoslovak Chemical Communications, 1995, 60, 1236-1241.	1.0	7
71	In vitro susceptibility to 9 antifungal agents of 14 strains of Zygomycetes isolated from clinical specimens. Mycopathologia, 1994, 128, 135-137.	3.1	39