

Michel Baltas

List of Publications by Year in descending order

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77
papers

1,940
citations

236925

25
h-index

289244

40
g-index

84
all docs

84
docs citations

84
times ranked

2742
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and antioxidant activity evaluation of a syringic hydrazones family. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 3019-3026.	5.5	116
2	Design, Synthesis, and Biological Evaluation of New Cinnamic Derivatives as Antituberculosis Agents. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 1449-1461.	6.4	100
3	Carbonyl scavenger and antiatherogenic effects of hydrazine derivatives. <i>Free Radical Biology and Medicine</i> , 2008, 45, 1457-1467.	2.9	92
4	Synthesis and biological activities of triazole derivatives as inhibitors of InhA and antituberculosis agents. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 5524-5531.	5.5	84
5	Chemical synthesis and biological evaluation of triazole derivatives as inhibitors of InhA and antituberculosis agents. <i>European Journal of Medicinal Chemistry</i> , 2012, 52, 275-283.	5.5	81
6	Mechanochemical Synthesis and Biological Evaluation of Novel Isoniazid Derivatives with Potent Antitubercular Activity. <i>Molecules</i> , 2017, 22, 1457.	3.8	71
7	Diaryl ether derivatives as anticancer agents – a review. <i>MedChemComm</i> , 2012, 3, 1356.	3.4	59
8	Development of Novel Antiatherogenic Biaryls: Design, Synthesis, and Reactivity. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 3171-3181.	6.4	58
9	Small molecules inhibitors of plasminogen activator inhibitor-1 – An overview. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 619-636.	5.5	56
10	Synthesis and evaluation of a novel series of pseudo-cinnamic derivatives as antituberculosis agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 341-343.	2.2	48
11	Design, synthesis and evaluation of new GEQ derivatives as inhibitors of InhA enzyme and <i>Mycobacterium tuberculosis</i> growth. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 218-235.	5.5	43
12	Asymmetric syntheses of (S)-lentiginosine and an original pyrrolizidinic analogue thereof from a versatile epoxyamine intermediate. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 2626.	2.8	41
13	Design, chemical synthesis of 3-(9H-fluoren-9-yl)pyrrolidine-2,5-dione derivatives and biological activity against enoyl-ACP reductase (InhA) and <i>Mycobacterium tuberculosis</i> . <i>European Journal of Medicinal Chemistry</i> , 2013, 70, 37-48.	5.5	39
14	Synthesis of 3-heteryl substituted pyrrolidine-2,5-diones via catalytic Michael reaction and evaluation of their inhibitory activity against InhA and <i>Mycobacterium tuberculosis</i> . <i>European Journal of Medicinal Chemistry</i> , 2014, 71, 46-52.	5.5	38
15	Design, Synthesis, and Evaluation of Pharmacological Properties of Cinnamic Derivatives as Antiatherogenic Agents. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 8115-8124.	6.4	37
16	Synthesis and evaluation of $\hat{1}\pm$ -ketotriazoles and $\hat{1}\pm, \hat{1}^2$ -diketotriazoles as inhibitors of <i>Mycobacterium tuberculosis</i> . <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 167-173.	5.5	35
17	Synthesis and anticancer activity evaluation of 2(4-alkoxyphenyl)cyclopropyl hydrazides and triazolo phthalazines. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 2537-2548.	3.0	34
18	Attempt to rationalize the diastereoselectivity in the addition of ester enolate to optically active $\hat{1}\pm, \hat{1}^2$ -epoxyaldehydes. <i>Tetrahedron</i> , 1999, 55, 14013-14030.	1.9	33

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19	Pyrrolidinone and pyrrolidine derivatives: Evaluation as inhibitors of InhA and Mycobacterium tuberculosis. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 462-475.	5.5	33
20	Diastereoface differentiation in addition of lithium enolates to chiral $\hat{1}\pm, \hat{1}^2$ -epoxyaldehydes. <i>Tetrahedron</i> , 1993, 49, 5253-5266.	1.9	32
21	Cinnamic Acid Derivatives in Tuberculosis, Malaria and Cardiovascular Diseases - A Review. <i>Current Organic Chemistry</i> , 2012, 16, 747-768.	1.6	32
22	Crystal structure of the enoyl-ACP reductase of Mycobacterium tuberculosis (InhA) in the apo-form and in complex with the active metabolite of isoniazid pre-formed by a biomimetic approach. <i>Journal of Structural Biology</i> , 2015, 190, 328-337.	2.8	31
23	Concise asymmetric syntheses of (\hat{a})-lentiginosine and of its pyrrolizidinic analogue. <i>Chemical Communications</i> , 2003, , 582-583.	4.1	30
24	Direct Access to Furanosidic Eight-Membered Ulosonic Esters from cis- $\hat{1}\pm, \hat{1}^2$ -Epoxy Aldehydes. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 672-688.	2.4	26
25	Synthesis of ferulic ester dimers, functionalisation and biological evaluation as potential antiatherogenic and antiplasmodial agents. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 6018-6026.	3.0	26
26	Diastereoselection in the addition of enolates to chiral $\hat{1}\pm, \hat{1}^2$ -epoxyaldehydes. <i>Tetrahedron Letters</i> , 1991, 32, 5345-5348.	1.4	25
27	A Flexible Route Towards Five-Membered Ring Imino Sugars and Their Novel 2-Deoxy-2-fluoro Analogues. <i>European Journal of Organic Chemistry</i> , 2003, 2003, 2903-2910.	2.4	25
28	Synthesis of $\hat{1}\pm, \hat{1}^2$ -Diketotriazoles by Aerobic Copper-Catalyzed Oxygenation with Triazole as an Intramolecular Assisting Group. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 409-416.	2.4	25
29	Synthesis, antioxidant and cytoprotective evaluation of potential antiatherogenic phenolic hydrazones. A structure-activity relationship insight. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4269-4276.	3.0	25
30	Enhanced diastereoselectivity in the addition of ester enolate to optically active $\hat{1}\pm, \hat{1}^2$ -epoxyaldehydes obtained from nerol and geraniol. <i>Tetrahedron</i> , 1996, 52, 9047-9056.	1.9	24
31	Total Synthesis of a Thymidine 2-Deoxypolyoxin C Analogue. <i>Journal of Organic Chemistry</i> , 1998, 63, 2601-2608.	3.2	24
32	Crucial role of the peroxyketal function for antimalarial activity in the G-factor series. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1433-1436.	2.2	24
33	Synthesis and biological evaluation of diarylheptanoids as potential antioxidant and anti-inflammatory agents. <i>European Journal of Medicinal Chemistry</i> , 2018, 144, 289-299.	5.5	24
34	Stereoselective synthesis of five and/or six membered ring hydroxylactones obtained by Lewis acid mediated reaction of $\hat{1}^3, \hat{1}^2$ -epoxy- $\hat{1}^2$ -hydroxyesters; access to 5-methylated 2-deoxysugars.. <i>Tetrahedron</i> , 1997, 53, 659-672.	1.9	23
35	Antiatherogenic Effect of Bisvanillyl-Hydralazone, a New Hydralazine Derivative with Antioxidant, Carbonyl Scavenger, and Antiapoptotic Properties. <i>Antioxidants and Redox Signaling</i> , 2011, 14, 2093-2106.	5.4	23
36	Synthesis of Novel G Factor or Chloroquine-Artemisinin Hybrids and Conjugates with Potent Antiplasmodial Activity. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 921-927.	2.8	23

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37	In Silico Repositioning of Cannabigerol as a Novel Inhibitor of the Enoyl Acyl Carrier Protein (ACP) Reductase (InhA). <i>Molecules</i> , 2019, 24, 2567.	3.8	22
38	Recent advances in the development of cinnamic-like derivatives as antituberculosis agents. <i>Expert Opinion on Therapeutic Patents</i> , 2012, 22, 155-168.	5.0	21
39	Synthesis of a 3-Deoxy-D-arabino-2-heptulosonic Acid Derivative. <i>Journal of Organic Chemistry</i> , 1995, 60, 7343-7347.	3.2	20
40	Synthesis of Biologically Relevant 1,2,3- and 1,3,4-Triazoles: From Classical Pathway to Green Chemistry. <i>Molecules</i> , 2021, 26, 5667.	3.8	18
41	A short synthesis of substituted β -hydroxy β -butyrolactones and 2-deoxyhexofuranosides. <i>Tetrahedron Letters</i> , 1992, 33, 1439-1442.	1.4	17
42	Synthesis of β -keto-1,2,3-triazoles Through Copper Iodide Catalyzed Oxygenation. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 654-659.	2.4	17
43	Structure-Based Virtual Ligand Screening on the XRCC4/DNA Ligase IV Interface. <i>Scientific Reports</i> , 2016, 6, 22878.	3.3	17
44	Stereoselective Preparation of Protected Thymine Polyoxin C and Approaches Towards Synthesis of Its C2-Modified Analogues. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 1105-1113.	2.4	15
45	Synthesis, In Silico, and In Vitro Evaluation of Anti-Leishmanial Activity of Oxadiazoles and Indolizine Containing Compounds Flagged against Anti-Targets. <i>Molecules</i> , 2019, 24, 1282.	3.8	15
46	Synthesis and evaluation of antioxidant phenolic diaryl hydrazones as potent antiangiogenic agents in atherosclerosis. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 3571-3578.	3.0	14
47	Comprehensive experimental investigation of mechanically induced 1,4-diazines synthesis in solid state. <i>Tetrahedron</i> , 2017, 73, 2305-2310.	1.9	14
48	Lowering the Activation Energy under Mechanochemical Conditions: The Case of 2,3-diphenylquinoxaline. <i>ChemistrySelect</i> , 2016, 1, 984-988.	1.5	13
49	Elucidation of the Diels-Alder Reaction Kinetics between Diphenylfulvene and Maleimide by Mechanochemistry and in Solution. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 4453-4462.	6.7	13
50	Lactonisation and lactone ether formation of nerol geraniol compounds. Use of ^{13}C to identify the cyclisation process. <i>Tetrahedron</i> , 1999, 55, 5129-5138.	1.9	12
51	Triazolophthalazines: Easily Accessible Compounds with Potent Antitubercular Activity. <i>ChemMedChem</i> , 2016, 11, 1078-1089.	3.2	12
52	Identification and optimization of hydrazone-gallate derivatives as specific inhibitors of DNA methyltransferase 3A. <i>Future Medicinal Chemistry</i> , 2016, 8, 373-380.	2.3	12
53	4-Hydroxynonenal Contributes to Angiogenesis through a Redox-Dependent Sphingolipid Pathway: Prevention by Hydralazine Derivatives. <i>Oxidative Medicine and Cellular Longevity</i> , 2017, 2017, 1-11.	4.0	12
54	Stereoselective Access to the Versatile 4-Aminohex-5-ene-1,2,3-triol Pattern. <i>Journal of Organic Chemistry</i> , 2004, 69, 8775-8779.	3.2	10

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55	Mukaiyama aldolisation reactions of α,β -epoxyaldehydes in aqueous media. <i>Tetrahedron</i> , 2005, 61, 8895-8903.	1.9	10
56	Synthesis and Antiplasmodial Activity of Novel Fosmidomycin Derivatives and Conjugates with Artemisinin and Aminochloroquinoline. <i>Molecules</i> , 2020, 25, 4858.	3.8	10
57	Study of the Two Steps and One-Pot Two-Step Mechanochemical Synthesis of Annulated 1,2,4-Triazoles. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3114-3125.	6.7	10
58	Boron trifluoride as a promoter and fluoride donor in the aldol reaction of trans α,β -epoxyaldehydes. Access to 5- and 6-fluoro heptulosonic ester analogues. <i>Tetrahedron Letters</i> , 1999, 40, 7323-7327.	1.4	9
59	De Novo Asymmetric Synthesis of Protected 5-O-Carbamoylpolyoxamic Acid. <i>Synthesis</i> , 2000, 2000, 1409-1414.	2.3	8
60	Synthesis of phosphonocinnamic thioesters, substrate analogues of cinnamoyl-CoA reductase, a key enzyme in the lignification process. <i>Tetrahedron Letters</i> , 2003, 44, 2445-2447.	1.4	8
61	Total Synthesis of Tedarene A. <i>Journal of Natural Products</i> , 2017, 80, 1623-1630.	3.0	8
62	New approach to carbamoyl-polyoxamic acid derivatives through an oxazolidinone synthon. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 1320-1329.	1.8	7
63	Stereochemistry Control in the Lewis Acid Mediated Lactonization Reaction of α,β -Epoxy- γ -silyloxy Esters. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 4247.	2.4	6
64	Cinnamic Derivatives in Tuberculosis. , 2012, , .		6
65	Synthesis in ionic liquids only: access to α -oxo- β -thio-esters via Mukaiyama coupling. <i>Tetrahedron Letters</i> , 2014, 55, 1353-1356.	1.4	6
66	Antimalarial Bicyclic Peroxides Belonging to the G-Factor Family: Mechanistic Aspects of their Formation and Iron (II) Induced Reduction. <i>Current Topics in Medicinal Chemistry</i> , 2014, 14, 1668-1683.	2.1	5
67	Influence of the nature and substitution of chiral 2,3-epoxy alcohol derivatives on the enantiomeric elution order on chiralcel OD column. <i>Chirality</i> , 1998, 10, 804-807.	2.6	4
68	Addition of lithium ethyl fluoroacetate to cis and trans α,β -epoxyaldehydes. Access to C2 fluorinated butyrolactones. <i>Tetrahedron Letters</i> , 2003, 44, 1891-1894.	1.4	4
69	Unexpected copper mediated benzyl O \rightarrow O migration during an Ullmann ether coupling. <i>Tetrahedron Letters</i> , 2014, 55, 528-530.	1.4	4
70	LiAlH ₄ -Promoted Tandem Reduction/Oxidation of Fluorenyl Derivatives under Air. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6538-6546.	2.4	4
71	Revisiting the aldol reaction of cis- α,β -epoxyaldehyde promoted by BF ₃ ·Et ₂ O: direct access to 2-deoxy-2-fluoro heptulosonic ester analogues. <i>Carbohydrate Research</i> , 2010, 345, 2421-2426.	2.3	3
72	Structure of adducts of isoindolo[2,1-a]benzimidazole derivatives with maleimides. <i>Journal of Molecular Structure</i> , 2015, 1084, 177-181.	3.6	1

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73	Synthesis and evaluation of $\hat{1}^2$ -hydroxytriazoles and related compounds as antitubercular agents. French-Ukrainian Journal of Chemistry, 2015, 3, 82-96.	0.4	1
74	Effect of the Nature of Surfactant on the Reactivity of C,N-diphenylnitron towards Acrylonitrile in Different Microemulsions Systems. Chemistry Journal of Moldova, 2018, 13, 82-88.	0.6	1
75	Addition of Lithium Ethyl Fluoroacetate to cis and trans $\hat{1}\pm, \hat{1}^2$ -Epoxyaldehydes. Access to C2 Fluorinated Butyrolactones.. ChemInform, 2003, 34, no.	0.0	0
76	SnCl ₂ /EtOH-Mediated Synthesis of Novel 4-Ethoxy- and 4-Chloroindazoles Bearing Sulfonamide Moieties. Synthetic Communications, 2015, 45, 2005-2013.	2.1	0
77	Peptide Synthesis in Ionic Liquids (PEPSIL): All You Need is in the Toolbox!. French-Ukrainian Journal of Chemistry, 2016, 4, 3-13.	0.4	0