Michel Baltas

List of Publications by Year
in descending order

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77	1,940	236925	289244
papers	citations	25 h-index	40 g-index

84	84	84	2742
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Elucidation of the Dielsâ€“Alder Reaction Kinetics between Diphenylfulvene and Maleimide by Mechanochemistry and in Solution. ACS Sustainable Chemistry and Engineering, 2021, 9, 4453-4462.	6.7	13
2	Synthesis of Biologically Relevant 1,2,3- and 1,3,4-Triazoles: From Classical Pathway to Green Chemistry. Molecules, 2021, 26, 5667.	3.8	18
3	Synthesis and Antiplasmodial Activity of Novel Fosmidomycin Derivatives and Conjugates with Artemisinin and Aminochloroquinoline. Molecules, 2020, 25, 4858.	3.8	10
4	Synthesis of Novel G Factor or Chloroquine-Artemisinin Hybrids and Conjugates with Potent Antiplasmodial Activity. ACS Medicinal Chemistry Letters, 2020, 11, 921-927.	2.8	23
5	Study of the Two Steps and One-Pot Two-Step Mechanochemical Synthesis of Annulated 1,2,4-Triazoles. ACS Sustainable Chemistry and Engineering, 2020, 8, 3114-3125.	6.7	10
6	In Silico Repositioning of Cannabigerol as a Novel Inhibitor of the Enoyl Acyl Carrier Protein (ACP) Reductase (InhA). Molecules, 2019, 24, 2567.	3.8	22
7	Synthesis, In Silico, and In Vitro Evaluation of Anti-Leishmanial Activity of Oxadiazoles and Indolizine Containing Compounds Flagged against Anti-Targets. Molecules, 2019, 24, 1282.	3.8	15
8	Synthesis and biological evaluation of diarylheptanoids as potential antioxidant and anti-inflammatory agents. European Journal of Medicinal Chemistry, 2018, 144, 289-299.	5.5	24
9	Effect of the Nature of Surfactant on the Reactivity of C,N-diphenylnitrone towards Acrylonitrile in Different Microemulsions Systems. Chemistry Journal of Moldova, 2018, 13, 82-88.	0.6	1
10	Comprehensive experimental investigation of mechanically induced 1,4-diazines synthesis in solid state. Tetrahedron, 2017, 73, 2305-2310.	1.9	14
11	Total Synthesis of Tedarene A. Journal of Natural Products, 2017, 80, 1623-1630.	3.0	8
12	Mechanochemical Synthesis and Biological Evaluation of Novel Isoniazid Derivatives with Potent Antitubercular Activity. Molecules, 2017, 22, 1457.	3.8	71
13	4-Hydroxynonenal Contributes to Angiogenesis through a Redox-Dependent Sphingolipid Pathway: Prevention by Hydralazine Derivatives. Oxidative Medicine and Cellular Longevity, 2017, 2017, 1-11.	4.0	12
14	Structure-Based Virtual Ligand Screening on the XRCC4/DNA Ligase IV Interface. Scientific Reports, 2016, 6, 22878.	3.3	17
15	Lowering the Activation Energy under Mechanochemical Conditions: The Case of 2,3â€diphenylquinoxaline. ChemistrySelect, 2016, 1, 984-988.	1.5	13
16	Pyrrolidinone and pyrrolidine derivatives: Evaluation as inhibitors of InhA and Mycobacterium tuberculosis. European Journal of Medicinal Chemistry, 2016, 123, 462-475.	5.5	33
17	Synthesis and evaluation of antioxidant phenolic diaryl hydrazones as potent antiangiogenic agents in atherosclerosis. Bioorganic and Medicinal Chemistry, 2016, 24, 3571-3578.	3.0	14
18	Triazolophthalazines: Easily Accessible Compounds with Potent Antitubercular Activity. ChemMedChem, 2016, 11, 1078-1089.	3.2	12

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19	Identification and optimization of hydrazone-gallate derivatives as specific inhibitors of DNA methyltransferase 3A. Future Medicinal Chemistry, 2016, 8, 373-380.	2.3	12
20	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
21	Structure of adducts of isoindolo[2,1-a]benzimidazole derivatives with maleimides. Journal of Molecular Structure, 2015, 1084, 177-181.	3.6	1
22	Small molecules inhibitors of plasminogen activator inhibitor-1 â€“ An overview. European Journal of Medicinal Chemistry, 2015, 92, 619-636.	5.5	56
23	SnCl2/EtOH-Mediated Synthesis of Novel 4-Ethoxy- and 4-Chloroindazoles Bearing Sulfonamide Moieties. Synthetic Communications, 2015, 45, 2005-2013.	2.1	0
24	Design, synthesis and evaluation of new GEQ derivatives as inhibitors of InhA enzyme and Mycobacterium tuberculosis growth. European Journal of Medicinal Chemistry, 2015, 101, 218-235.	5.5	43
25	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. Journal of Structural Biology, 2015, 190, 328-337.	2.8	31
26	Synthesis and evaluation of Î²-hydroxytriazoles and related compounds as antitubercular agents. French-Ukrainian Journal of Chemistry, 2015, 3, 82-96.	0.4	1
27	Unexpected copper mediated benzyl Oâ†'O migration during an Ullmann ether coupling. Tetrahedron Letters, 2014, 55, 528-530.	1.4	4
28	Synthesis in ionic liquids only: access to Î±-oxo-Î³-thio-esters via Mukaiyama coupling. Tetrahedron Letters, 2014, 55, 1353-1356.	1.4	6
29	Synthesis of Î±â€Ketoâ€1,2,3â€triazoles Through Copper Iodide Catalyzed Oxygenation. European Journal of Organic Chemistry, 2014, 2014, 654-659.	2.4	17
30	Synthesis of 3-heteryl substituted pyrrolidine-2,5-diones via catalytic Michael reaction and evaluation of their inhibitory activity against InhA and Mycobacterium tuberculosis. European Journal of Medicinal Chemistry, 2014, 71, 46-52.	5.5	38
31	LiAlH₄â€Promoted Tandem Reduction/Oxidation of Fluorenyl Derivatives under Air. European Journal of Organic Chemistry, 2014, 2014, 6538-6546.	2.4	4
32	Synthesis, antioxidant and cytoprotective evaluation of potential antiatherogenic phenolic hydrazones. A structureâ€“activity relationship insight. Bioorganic and Medicinal Chemistry, 2014, 22, 4269-4276.	3.0	25
33	Antimalarial Bicyclic Peroxides Belonging to the G-Factor Family: Mechanistic Aspects of their Formation and Iron (II) Induced Reduction. Current Topics in Medicinal Chemistry, 2014, 14, 1668-1683.	2.1	5
34	Synthesis and evaluation of Î±-ketotriazoles and Î±,Î²-diketotriazoles as inhibitors of Mycobacterium tuberculosis. European Journal of Medicinal Chemistry, 2013, 69, 167-173.	5.5	35
35	Design, chemical synthesis of 3-(9H-fluoren-9-yl)pyrrolidine-2,5-dione derivatives and biological activity against enoyl-ACP reductase (InhA) and Mycobacterium tuberculosis. European Journal of Medicinal Chemistry, 2013, 70, 37-48.	5.5	39
36	Cinnamic Acid Derivatives in Tuberculosis, Malaria and Cardiovascular Diseases - A Review. Current Organic Chemistry, 2012, 16, 747-768.	1.6	32

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37	Cinnamic Derivatives in Tuberculosis. , 2012, , .		6
38	Recent advances in the development of cinnamic-like derivatives as antituberculosis agents. Expert Opinion on Therapeutic Patents, 2012, 22, 155-168.	5.0	21
39	Diaryl ether derivatives as anticancer agents â€“ a review. MedChemComm, 2012, 3, 1356.	3.4	59
40	Chemical synthesis and biological evaluation of triazole derivatives as inhibitors of InhA and antituberculosis agents. European Journal of Medicinal Chemistry, 2012, 52, 275-283.	5.5	81
41	Synthesis of Î±,Î²â€Diketotriazoles by Aerobic Copperâ€Catalyzed Oxygenation with Triazole as an Intramolecular Assisting Group. European Journal of Organic Chemistry, 2012, 2012, 409-416.	2.4	25
42	Antiatherogenic Effect of Bisvanillyl-Hydralazone, a New Hydralazine Derivative with Antioxidant, Carbonyl Scavenger, and Antiapoptotic Properties. Antioxidants and Redox Signaling, 2011, 14, 2093-2106.	5.4	23
43	Design, Synthesis, and Biological Evaluation of New Cinnamic Derivatives as Antituberculosis Agents. Journal of Medicinal Chemistry, 2011, 54, 1449-1461.	6.4	100
44	Synthesis and biological activities of triazole derivatives as inhibitors of InhA and antituberculosis agents. European Journal of Medicinal Chemistry, 2011, 46, 5524-5531.	5.5	84
45	Synthesis and anticancer activity evaluation of 2(4-alkoxyphenyl)cyclopropyl hydrazides and triazolo phthalazines. Bioorganic and Medicinal Chemistry, 2010, 18, 2537-2548.	3.0	34
46	Revisiting the aldol reaction of cis-Î±,Î²-epoxyaldehyde promoted by BF3Â·Et2O: direct access to 2-deoxy-2-fluoro heptulosonic ester analogues. Carbohydrate Research, 2010, 345, 2421-2426.	2.3	3
47	Synthesis and antioxidant activity evaluation of a syringic hydrazones family. European Journal of Medicinal Chemistry, 2010, 45, 3019-3026.	5.5	116
48	Synthesis and evaluation of a novel series of pseudo-cinnamic derivatives as antituberculosis agents. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 341-343.	2.2	48
49	Carbonyl scavenger and antiatherogenic effects of hydrazine derivatives. Free Radical Biology and Medicine, 2008, 45, 1457-1467.	2.9	92
50	Development of Novel Antiatherogenic Biaryls: Design, Synthesis, and Reactivity. Journal of Medicinal Chemistry, 2008, 51, 3171-3181.	6.4	58
51	New approach to carbamoyl-polyoxamic acid derivatives through an oxazolidinone synthon. Tetrahedron: Asymmetry, 2007, 18, 1320-1329.	1.8	7
52	Synthesis of ferulic ester dimers, functionalisation and biological evaluation as potential antiatherogenic and antiplasmodial agents. Bioorganic and Medicinal Chemistry, 2007, 15, 6018-6026.	3.0	26
53	Mukaiyama aldolisation reactions of Î±,Î²-epoxyaldehydes in aqueous media. Tetrahedron, 2005, 61, 8895-8903.	1.9	10
54	Design, Synthesis, and Evaluation of Pharmacological Properties of Cinnamic Derivatives as Antiatherogenic Agents. Journal of Medicinal Chemistry, 2005, 48, 8115-8124.	6.4	37

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55	Asymmetric syntheses of (â€“)-lentiginosine and an original pyrrolizidinic analogue thereof from a versatile epoxyamine intermediate. Organic and Biomolecular Chemistry, 2005, 3, 2626.	2.8	41
56	Crucial role of the peroxyketal function for antimalarial activity in the G-factor series. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 1433-1436.	2.2	24
57	Stereoselective Access to the Versatile 4-Aminohex-5-ene-1,2,3-triol Pattern. Journal of Organic Chemistry, 2004, 69, 8775-8779.	3.2	10
58	A Flexible Route Towards Five-Membered Ring Imino Sugars and Their Novel 2-Deoxy-2-fluoro Analogues. European Journal of Organic Chemistry, 2003, 2003, 2903-2910.	2.4	25
59	Direct Access to Furanosidic Eight-Membered Ulosonic Esters from cis-Î±,Î²-Epoxy Aldehydes. European Journal of Organic Chemistry, 2003, 2003, 672-688.	2.4	26
60	Addition of Lithium Ethyl Fluoroacetate to cis and trans Î±,Î²-Epoxyaldehydes. Access to C2 Fluorinated Butyrolactones.. ChemInform, 2003, 34, no.	0.0	0
61	Addition of lithium ethyl fluoroacetate to cis and trans Î±,Î²-epoxyaldehydes. Access to C2 fluorinated butyrolactones. Tetrahedron Letters, 2003, 44, 1891-1894.	1.4	4
62	Synthesis of phosphonocinnamic thioesters, substrate analogues of cinnamoyl-CoA reductase, a key enzyme in the lignification process. Tetrahedron Letters, 2003, 44, 2445-2447.	1.4	8
63	Concise asymmetric syntheses of (â€“)-lentiginosine and of its pyrrolizidinic analogue. Chemical Communications, 2003, , 582-583.	4.1	30
64	Stereoselective Preparation of Protected Thymine Polyoxin C and Approaches Towards Synthesis of Its C2â€²-Modified Analogues. European Journal of Organic Chemistry, 2001, 2001, 1105-1113.	2.4	15
65	Stereochemistry Control in the Lewis Acid Mediated Lactonization Reaction of Î³,Î´-Epoxy-Î²-silyloxy Esters. European Journal of Organic Chemistry, 2001, 2001, 4247.	2.4	6
66	De Novo Asymmetric Synthesis of Protected 5-O-Carbamoylpolyoxamic Acid. Synthesis, 2000, 2000, 1409-1414.	2.3	8
67	Boron trifluoride as a promoter and fluoride donor in the aldol reaction of trans Î±,Î²-epoxyaldehydes. Access to 5- and 6-fluoro heptulosonic ester analogues. Tetrahedron Letters, 1999, 40, 7323-7327.	1.4	9
68	Lactonisation and lactone ether formation of nerol geraniol compounds. Use of 13C to identify the cyclisation process. Tetrahedron, 1999, 55, 5129-5138.	1.9	12
69	Attempt to rationalize the diastereoselectivity in the addition of ester enolate to optically active Î±,Î²-epoxyaldehydes. Tetrahedron, 1999, 55, 14013-14030.	1.9	33
70	Influence of the nature and substitution of chiral 2,3-epoxy alcohol derivatives on the enantiomeric elution order on chiralcel OD column. Chirality, 1998, 10, 804-807.	2.6	4
71	Total Synthesis of a Thymidine 2-Deoxypolyoxin C Analogue. Journal of Organic Chemistry, 1998, 63, 2601-2608.	3.2	24
72	Stereoselective synthesis of five and/or six membered ring hydroxylactones obtained by Lewis acid mediated reaction of Î³,Î´-epoxy-Î²-hydroxyesters; access to 5-methylated 2-deoxysugars.. Tetrahedron, 1997, 53, 659-672.	1.9	23

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73	Enhanced diastereoselectivity in the addition of ester enolate to optically active Î±,Î²-epoxyaldehydes obtained from nerol and geraniol. Tetrahedron, 1996, 52, 9047-9056.	1.9	24
74	Synthesis of a 3-Deoxy-D-arabino-2-heptulosonic Acid Derivative. Journal of Organic Chemistry, 1995, 60, 7343-7347.	3.2	20
75	Diastereoface differentiation in addition of lithium enolates to chiral Î±,Î²-epoxyaldehydes. Tetrahedron, 1993, 49, 5253-5266.	1.9	32
76	A short synthesis of substituted Î²-hydroxy Î³-butyrolactones and 2-deoxyhexofuranosides. Tetrahedron Letters, 1992, 33, 1439-1442.	1.4	17
77	Diastereoselection in the addition of enolates to chiral Î±,Î²-epoxyaldehydes. Tetrahedron Letters, 1991, 32, 5345-5348.	1.4	25