

Vladimir Dimitrov

List of Publications by Year in descending order

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92
papers

1,367
citations

361413

20
h-index

395702

33
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99
all docs

99
docs citations

99
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Anhydrous cerium(III) chloride – Effect of the drying process on activity and efficiency. <i>Tetrahedron Letters</i> , 1996, 37, 6787-6790.	1.4	97
2	Interpretation of EMG integral or RMS and estimates of neuromuscular efficiency can be misleading in fatiguing contraction. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 223-232.	1.7	80
3	Highly diastereoselective synthesis of new optically active aminoalcohols in one step from (+)-camphor and (–)-fenchone. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1869-1876.	1.8	74
4	A Pseudotetrahedral, High-Oxidation-State Organonickel Compound: Synthesis and Structure of Bromotris(1-norbornyl)nickel(IV). <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2631-2633.	13.8	68
5	New β -aminoalcohol for the enantioselective addition of dialkylzincs to aldehydes. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 3703-3706.	1.8	66
6	Cerium(III) chloride as catalytic and stoichiometric promoter of the quantitative addition of organometallic reagents to (+)-camphor and (-)-fenchone. <i>Tetrahedron Letters</i> , 1994, 35, 6713-6716.	1.4	56
7	Low-Cost and Sustainable Organic Thermoelectrics Based on Low-Dimensional Molecular Metals. <i>Advanced Materials</i> , 2017, 29, 1605682.	21.0	50
8	Chiral aminoalcohols with a menthane skeleton as catalysts for the enantioselective addition of diethylzinc to benzaldehyde. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1313-1321.	1.8	40
9	Electronic absorption and emission spectra and computational studies of some 2-aryl, 2-styryl, and 2-(4-aryl)butadienyl quinazolin-4-ones. <i>Computational and Theoretical Chemistry</i> , 2004, 710, 229-234.	1.5	40
10	Tuning the Excited-State Dynamics of GFP-Inspired Imidazolone Derivatives. <i>Journal of Physical Chemistry A</i> , 2010, 114, 10-20.	2.5	39
11	Highly effective and practical stereoselective synthesis of new homoallylic alcohols with (+)-camphor and (–)-fenchone skeleton. <i>Tetrahedron</i> , 1996, 52, 1699-1706.	1.9	33
12	Chiral β^2 - and β^3 -aminoalcohols derived from (+)-camphor and (–)-fenchone as catalysts for the enantioselective addition of diethylzinc to benzaldehyde. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1323-1329.	1.8	33
13	Synthesis of new enantiopure aminodiols and their use as ligands for the addition of diethylzinc to benzaldehyde. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 1381-1391.	1.8	31
14	PSIRP project – publish-subscribe internet routing paradigm. , 2010, , .		29
15	New bis-steroidal axially chiral diols as ligands for the asymmetric addition of diethylzinc to aldehydes. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 3253-3256.	1.8	28
16	The increase in surface EMG could be a misleading measure of neural adaptation during the early gains in strength. <i>European Journal of Applied Physiology</i> , 2014, 114, 1645-1655.	2.5	26
17	Title is missing!. <i>Angewandte Chemie</i> , 2003, 115, 2735-2737.	2.0	24
18	Recent Trends in Enantioselective Diorganozinc-Additions to Aldehydes. <i>Letters in Organic Chemistry</i> , 2006, 3, 176-182.	0.5	24

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19	Efficient synthesis of new (R)-2-amino-1-butanol derived ureas, thioureas and acylthioureas and in vitro evaluation of their antimycobacterial activity. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 468-473.	5.5	23
20	Synthesis of ferrocene-based amido-phosphine ligands via highly diastereoselective ortho-lithiation and their application in Pd-catalyzed asymmetric allylic alkylations. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 970-979.	1.8	22
21	Highly diastereoselective ortho-lithiation of chiral ferrocenecarboxamides. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 1845-1854.	1.8	20
22	Influence of motor unit synchronization on amplitude characteristics of surface and intramuscularly recorded EMG signals. <i>European Journal of Applied Physiology</i> , 2010, 108, 227-237.	2.5	19
23	Synthesis and in vitro antimycobacterial activity of compounds derived from (R)- and (S)-2-amino-1-butanol – The crucial role of the configuration. <i>European Journal of Medicinal Chemistry</i> , 2012, 48, 45-56.	5.5	19
24	Cerium(III) chloride promoted addition of organometallic reagents to (âˆ“)–menthone – preparation of chiral neomenthyl derivatives – Dedicated to Professor Dr. Karl-Heinz Thiele on the occasion of his 70th birthday. – <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1517-1526.	1.8	17
25	Antimycobacterial activity of chiral aminoalcohols with camphane scaffold. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 150-157.	5.5	16
26	Enantiopure antituberculosis candidates synthesized from (âˆ“)–fenchone. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 243-247.	5.5	15
27	Cytisine as a scaffold for ortho-diphenylphosphinobenzenecarboxamide ligands for Pd-catalyzed asymmetric allylic alkylation. <i>Journal of Organometallic Chemistry</i> , 2015, 778, 10-20.	1.8	15
28	Cerium(III) chloride mediated addition of mono- and dilithium ferrocene to (+)-camphor and (âˆ“)–fenchone: synthesis and structure of new chiral ferrocenyl alcohols and diols. <i>Journal of Organometallic Chemistry</i> , 1996, 525, 213-224.	1.8	14
29	The Ozonolysis of Longifolene: A Tool for the Preparation of Useful Chiral Compounds. Configuration Determination of New Stereogenic Centers by NMR Spectroscopy and X-Ray Crystallography. <i>Helvetica Chimica Acta</i> , 2003, 86, 106-121.	1.6	14
30	Synthesis of 1,3-aminonaphthols by diastereoselective Betti-type aminoalkylation of dihydroxy naphthalenes; diastereoselectivity, absolute configuration, and application. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1453-1466.	1.8	14
31	1,2-Disubstituted Planar Chiral Ferrocene Derivatives from Sulfonamide-Directed ortho-Lithiation: Synthesis, Absolute Configuration, and Chiroptical Properties. <i>Organometallics</i> , 2021, 40, 578-590.	2.3	14
32	Interlaboratory study of a supercritical fluid chromatography method for the determination of pharmaceutical impurities: Evaluation of multi-systems reproducibility. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 203, 114206.	2.8	14
33	Synthesis and absolute configuration of new chiral epoxyalcohols by stereoselective epoxidation of allylic and homoallylic alcohols with a (1R)-(+)-camphor skeleton. <i>Tetrahedron: Asymmetry</i> , 1996, 7, 1493-1500.	1.8	13
34	Chiral ferrocenes derived from (+)-longifolene – determination of the configuration by NMR spectroscopy and X-ray crystallography. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1331-1335.	1.8	13
35	Synthesis of new optically active 1,3-diols with camphor and fenchone skeleton. <i>Tetrahedron: Asymmetry</i> , 1994, 5, 1891-1894.	1.8	12
36	First example of axial selectivity in the nucleophilic addition to (âˆ“)–menthone – addition of cyanomethyl lithium – Dedicated to Professor Dr. Manfred Hesse on the occasion of his 65th birthday. – <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1513-1516.	1.8	12

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37	Preparation of Chiral Hydroxy Carbonyl Compounds and Diols by Ozonolysis of Olefinic Isoborneol and Fenchol Derivatives: Characterization of Stable Ozonides by ^1H -, ^{13}C -, and ^{17}O -NMR and Electrospray Ionization Mass Spectrometry. <i>Helvetica Chimica Acta</i> , 1999, 82, 1385-1399.	1.6	11
38	Highly efficient synthesis of chiral aminoalcohols and aminodiols with camphane skeleton. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1426-1434.	1.8	11
39	Anti-enteroviral triple combination of viral replication inhibitors: activity against coxsackievirus B1 neuroinfection in mice. <i>Antiviral Chemistry and Chemotherapy</i> , 2015, 24, 136-147.	0.6	11
40	Synthesis, Resolution, Configurational Stability, and Properties of Cationic Functionalized [5]Helicenes. <i>Journal of Organic Chemistry</i> , 2020, 85, 11908-11923.	3.2	11
41	Synthesis and absolute configuration of planar chiral ferrocenophanes by amide-directed ortho-lithiation. <i>Tetrahedron: Asymmetry</i> , 2008, 19, 2119-2122.	1.8	10
42	Camphane-based phosphino-carboxamide ligands as P,O-chelates in Pd-catalyzed enantioselective allylic alkylation. <i>Tetrahedron: Asymmetry</i> , 2012, 23, 927-930.	1.8	10
43	1-Norbornyllithium as a Precursor for the Synthesis of Novel Organic 1-Bicyclo[2.2.1]Heptane Derivatives and for the Improved Preparation of 1-Chloro-Bicyclo[2.2.2]octane. <i>Synthetic Communications</i> , 1995, 25, 1575-1587.	2.1	9
44	Antimycobacterial activity generated by the amide coupling of ($\hat{\alpha}$)-fenchone derived aminoalcohol with cinnamic acids and analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5030-5033.	2.2	9
45	Poly (N-isopropylacrylamide)-functionalized dendrimer as a thermosensitive nanoplatfom for delivering malloapelta B against HepG2 cancer cell proliferation. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2017, 8, 025014.	1.5	9
46	Synthesis and crystal structures of chiral ferrocene and ruthenocene substituted aminomethylnaphthols obtained through Betti-condensation. <i>Polyhedron</i> , 2019, 165, 177-187.	2.2	9
47	($\hat{\alpha}$)-Fenchone derived epoxy alcohols preparation and configuration. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 913-921.	1.8	8
48	Camphane-based aminophosphine ligands for Pd-catalyzed asymmetric allylic alkylation. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1253-1256.	1.8	8
49	Synthesis of ferrocenylmethylidene and arylidene substituted camphane based compounds as potential anticancer agents. <i>New Journal of Chemistry</i> , 2017, 41, 9103-9112.	2.8	8
50	Resonant Converter for Inductive Charging of Light Electric Vehicles. , 2018, , .		8
51	Overview of the Ways to Design an Electric Bicycle. , 2018, , .		7
52	<i>Pistacia lentiscus</i> by-product as a promising source of phenolic compounds and carotenoids: Purification, biological potential and binding properties. <i>Food and Bioproducts Processing</i> , 2021, 126, 245-255.	3.6	7
53	1D TOCSY with DANTE-Z-Type Selective Inversion. <i>Journal of Magnetic Resonance Series A</i> , 1995, 117, 292-294.	1.6	6
54	Functionalized organolithium reagents in the synthesis of chiral ligands for catalytic enantioselective addition of diethylzinc to aldehydes. <i>Polyhedron</i> , 2012, 45, 126-143.	2.2	6

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55	An Algorithm and Circuits for Active Balancing Systems. , 2020, , .		6
56	Development of applications with service-oriented architecture for grid. , 2008, , .		6
57	Biomimetic Formation of Macrocyclic Spermine Alkaloids. Helvetica Chimica Acta, 2001, 84, 2108-2118.	1.6	5
58	Palladium-catalyzed allylic alkylation using chiral P,O-ligands synthesized via sulfonamide directed ortho-lithiation. Tetrahedron Letters, 2014, 55, 2093-2096.	1.4	5
59	Modelling and Control of Bidirectional Buck-Boost Converter for Electric Vehicles Applications. , 2019, , .		5
60	Estrone derived 2-naphthol analogue in the diastereoselective one-pot Betti-condensation. Molecular Diversity, 2020, 24, 1343-1353.	3.9	4
61	Galantamine derivatives: Synthesis, NMR study, DFT calculations and application in asymmetric catalysis. Journal of Molecular Structure, 2020, 1219, 128568.	3.6	4
62	Preparation of Î²-amino-alcohol analogs by the addition of N-, O- and S-containing substituents to ferrocenyl-camphorsulfonamide " ligands for enantioselective addition of diethylzinc to benzaldehyde. Arkivoc, 2009, 2009, 141-152.	0.5	4
63	Traffic and congestion control in a publish/subscribe network. , 2010, , .		3
64	Synthesis and catalytic application of ferrocene substituted camphane-based aminoalcohols and S-containing heterocyclic analogues. Tetrahedron: Asymmetry, 2016, 27, 852-864.	1.8	3
65	Directed ortho-lithiation as a tool for synthesis of chiral 1,2-disubstituted arylsulfonamides. Monatshefte für Chemie, 2018, 149, 2207-2229.	1.8	3
66	An analytical approach to model the switching losses of a power MOSFET. , 2016, , .		2
67	Capturing Waste Heat Energy with Charge-Transfer Organic Thermoelectrics. Synthesis, 2018, 50, 3833-3842.	2.3	2
68	Fuelcell power supply system " modelling and optimization. , 2019, , .		2
69	Research of Acceleration and Braking Modes of Electric Vehicles in MATLAB/Simulink. , 2019, , .		2
70	Model for Vehicle to Home System with Additional Energy Storage for Households. Electronics (Switzerland), 2021, 10, 1085.	3.1	2
71	Solvent-free synthesis of a series of differently N-substituted 4-amino-2-methylquinazolines under microwave irradiation. Arkivoc, 2006, 2006, 46-56.	0.5	2
72	Tolerance Analysis of Resonant Converters with Parallel Loaded Capacitor. , 2020, , .		2

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73	Three methods for estimation of changes in frequency characteristics of potentials elicited by long-lasting (fatiguing) activity of isolated muscle fibres. <i>General Physiology and Biophysics</i> , 2010, 29, 243-254.	0.9	1
74	â€œRelationshipâ€•specification in Z-notation. <i>Physics of Particles and Nuclei Letters</i> , 2011, 8, 391-394.	0.4	1
75	Electrochemical Phenylselenoetherification as a Key Step in the Synthesis of (Â±)â€œCurcumene Ether. <i>Helvetica Chimica Acta</i> , 2013, 96, 1103-1110.	1.6	1
76	Fuzzy Indication of Reliability in Metagenomics NGS Data Analysis. <i>Procedia Computer Science</i> , 2015, 51, 2859-2863.	2.0	1
77	Methods and power converters for charging/formation of VRLA batteries. , 2017, , .		1
78	Analytical Model for Supercapacitor Sizing as Part of a Hybrid Power Supply. , 2019, , .		1
79	Generalized model for control of energy flows in electric and hybrid vehicles. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
80	Modelling of DC/DC multi quadrant converter for hybrid electric vehicles applications. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
81	Solutions for Data Discovery Service in a Virtual Research Environment. <i>Scalable Computing</i> , 2018, 19, 181-187.	1.0	1
82	Switch Function Modelling of Bidirectional DC-DC Converter. , 2020, , .		1
83	Synthesis and Implementation of a Digital Control System for a Buck DC-DC Converter. , 2021, , .		1
84	Advancing Cloud Computing [Guest editors' introduction]. <i>IT Professional</i> , 2014, 16, 16-17.	1.5	0
85	New Horizons in Data Analytics. <i>IT Professional</i> , 2015, 17, 20-22.	1.5	0
86	Simulation of air transformers with different sizes and geometry. , 2017, , .		0
87	Experimental results on the use of flux concentrators in an IPT system. , 2018, , .		0
88	System Level Modelling and Simulation of an Electric Bicycle. , 2018, , .		0
89	Experimental Verification of a General Light Vehicle Model. , 2019, , .		0
90	Modelling of DC/DC Bidirectional Converter for Electric Vehicles Application. , 2019, , .		0

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91	ECONOMIC EVALUATION OF FORAGE PEA ORGANIC PRODUCTION. Banat's Journal of Biotechnology, 2016, VII, 60-67.	0.4	0
92	Remote Tracking System for ECG Signal with Textile Electrodes. , 2022, , .		0