

Vladimir Dimitrov

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3781263/publications.pdf>

Version: 2024-02-01

92
papers

1,367
citations

361413
20
h-index

395702
33
g-index

99
all docs

99
docs citations

99
times ranked

1412
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote Tracking System for ECG Signal with Textile Electrodes. , 2022, , .		0
2	1,2-Disubstituted Planar Chiral Ferrocene Derivatives from Sulfonamide-Directed <i>ortho</i> -Lithiation: Synthesis, Absolute Configuration, and Chiroptical Properties. Organometallics, 2021, 40, 578-590.	2.3	14
3	Pistacia lentiscus by-product as a promising source of phenolic compounds and carotenoids: Purification, biological potential and binding properties. Food and Bioproducts Processing, 2021, 126, 245-255.	3.6	7
4	Model for Vehicle to Home System with Additional Energy Storage for Households. Electronics (Switzerland), 2021, 10, 1085.	3.1	2
5	Interlaboratory study of a supercritical fluid chromatography method for the determination of pharmaceutical impurities: Evaluation of multi-systems reproducibility. Journal of Pharmaceutical and Biomedical Analysis, 2021, 203, 114206.	2.8	14
6	Synthesis and Implementation of a Digital Control System for a Buck DC-DC Converter. , 2021, , .		1
7	Estrone derived 2-naphthol analogue in the diastereoselective one-pot Betti-condensation. Molecular Diversity, 2020, 24, 1343-1353.	3.9	4
8	An Algorithm and Circuits for Active Balancing Systems. , 2020, , .		6
9	Synthesis, Resolution, Configurational Stability, and Properties of Cationic Functionalized [5]Helicenes. Journal of Organic Chemistry, 2020, 85, 11908-11923.	3.2	11
10	Galantamine derivatives: Synthesis, NMR study, DFT calculations and application in asymmetric catalysis. Journal of Molecular Structure, 2020, 1219, 128568.	3.6	4
11	Tolerance Analysis of Resonant Converters with Parallel Loaded Capacitor. , 2020, , .		2
12	Switch Function Modelling of Bidirectional DC-DC Converter. , 2020, , .		1
13	Modelling and Control of Bidirectional Buck-Boost Converter for Electric Vehicles Applications. , 2019, , .		5
14	Fuelcell power supply system “ modelling and optimization. , 2019, , .		2
15	Experimental Verification of a General Light Vehicle Model. , 2019, , .		0
16	Research of Acceleration and Braking Modes of Electric Vehicles in MATLAB/Simulink. , 2019, , .		2
17	Modelling of DC/DC Bidirectional Converter for Electric Vehicles Application. , 2019, , .		0
18	Synthesis and crystal structures of chiral ferrocene and ruthenocene substituted aminomethylnaphthols obtained through Betti-condensation. Polyhedron, 2019, 165, 177-187.	2.2	9

#	ARTICLE	IF	CITATIONS
19	Analytical Model for Supercapacitor Sizing as Part of a Hybrid Power Supply. , 2019, , .		1
20	Generalized model for control of energy flows in electric and hybrid vehicles. AIP Conference Proceedings, 2019, , .	0.4	1
21	Modelling of DC/DC multi quadrant converter for hybrid electric vehicles applications. AIP Conference Proceedings, 2019, , .	0.4	1
22	Resonant Converter for Inductive Charging of Light Electric Vehicles. , 2018, , .		8
23	Directed ortho-lithiation as a tool for synthesis of chiral 1,2-disubstituted arylsulfonamides. Monatshefte für Chemie, 2018, 149, 2207-2229.	1.8	3
24	Experimental results on the use of flux concentrators in an IPT system. , 2018, , .		0
25	Capturing Waste Heat Energy with Charge-Transfer Organic Thermoelectrics. Synthesis, 2018, 50, 3833-3842.	2.3	2
26	Overview of the Ways to Design an Electric Bicycle. , 2018, , .		7
27	System Level Modelling and Simulation of an Electric Bicycle. , 2018, , .		0
28	Solutions for Data Discovery Service in a Virtual Research Environment. Scalable Computing, 2018, 19, 181-187.	1.0	1
29	Low-Cost and Sustainable Organic Thermoelectrics Based on Low-Dimensional Molecular Metals. Advanced Materials, 2017, 29, 1605682.	21.0	50
30	Poly (N-isopropylacrylamide)-functionalized dendrimer as a thermosensitive nanoplatfom for delivering malloapelta B against HepG2 cancer cell proliferation. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 025014.	1.5	9
31	Synthesis of ferrocenylmethylidene and arylidene substituted camphane based compounds as potential anticancer agents. New Journal of Chemistry, 2017, 41, 9103-9112.	2.8	8
32	Simulation of air transformers with different sizes and geometry. , 2017, , .		0
33	Methods and power converters for charging/formation of VRLA batteries. , 2017, , .		1
34	Synthesis and catalytic application of ferrocene substituted camphane-based aminoalcohols and S-containing heterocyclic analogues. Tetrahedron: Asymmetry, 2016, 27, 852-864.	1.8	3
35	An analytical approach to model the switching losses of a power MOSFET. , 2016, , .		2
36	ECONOMIC EVALUATION OF FORAGE PEA ORGANIC PRODUCTION. Banat's Journal of Biotechnology, 2016, VII, 60-67.	0.4	0

#	ARTICLE	IF	CITATIONS
37	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
38	New Horizons in Data Analytics. <i>IT Professional</i> , 2015, 17, 20-22.	1.5	0
39	Fuzzy Indication of Reliability in Metagenomics NGS Data Analysis. <i>Procedia Computer Science</i> , 2015, 51, 2859-2863.	2.0	1
40	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
41	Advancing Cloud Computing [Guest editors' introduction]. <i>IT Professional</i> , 2014, 16, 16-17.	1.5	0
42	Palladium-catalyzed allylic alkylation using chiral P,O-ligands synthesized via sulfonamide directed ortho-lithiation. <i>Tetrahedron Letters</i> , 2014, 55, 2093-2096.	1.4	5
43	Antimycobacterial activity of chiral aminoalcohols with camphane scaffold. <i>European Journal of Medicinal Chemistry</i> , 2014, 81, 150-157.	5.5	16
44	Antimycobacterial activity generated by the amide coupling of (α)-fenchone derived aminoalcohol with cinnamic acids and analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5030-5033.	2.2	9
45	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
46	Enantiopure antituberculosis candidates synthesized from (α)-fenchone. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 243-247.	5.5	15
47	Camphane-based aminophosphine ligands for Pd-catalyzed asymmetric allylic alkylation. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1253-1256.	1.8	8
48	Highly efficient synthesis of chiral aminoalcohols and aminodiols with camphane skeleton. <i>Tetrahedron: Asymmetry</i> , 2013, 24, 1426-1434.	1.8	11
49	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
50	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
51	Electrochemical Phenylselenoetherification as a Key Step in the Synthesis of (\pm)-Curcumene Ether. <i>Helvetica Chimica Acta</i> , 2013, 96, 1103-1110.	1.6	1
52	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
53	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
54	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

#	ARTICLE	IF	CITATIONS
55	Relationship specification in Z-notation. Physics of Particles and Nuclei Letters, 2011, 8, 391-394.	0.4	1
56	Synthesis of ferrocene-based amido-phosphine ligands via highly diastereoselective ortho-lithiation and their application in Pd-catalyzed asymmetric allylic alkylations. Tetrahedron: Asymmetry, 2011, 22, 970-979.	1.8	22
57	Influence of motor unit synchronization on amplitude characteristics of surface and intramuscularly recorded EMG signals. European Journal of Applied Physiology, 2010, 108, 227-237.	2.5	19
58	Highly diastereoselective ortho-lithiation of chiral ferrocenecarboxamides. Tetrahedron: Asymmetry, 2010, 21, 1845-1854.	1.8	20
59	Three methods for estimation of changes in frequency characteristics of potentials elicited by long-lasting (fatiguing) activity of isolated muscle fibres. General Physiology and Biophysics, 2010, 29, 243-254.	0.9	1
60	PSIRP project – publish-subscribe internet routing paradigm. , 2010, , .		29
61	Traffic and congestion control in a publish/subscribe network. , 2010, , .		3
62	Tuning the Excited-State Dynamics of GFP-Inspired Imidazolone Derivatives. Journal of Physical Chemistry A, 2010, 114, 10-20.	2.5	39
63	Interpretation of EMG integral or RMS and estimates of neuromuscular efficiency can be misleading in fatiguing contraction. Journal of Electromyography and Kinesiology, 2010, 20, 223-232.	1.7	80
64	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
65	Synthesis and absolute configuration of planar chiral ferrocenophanes by amide-directed ortho-lithiation. Tetrahedron: Asymmetry, 2008, 19, 2119-2122.	1.8	10
66	Development of applications with service-oriented architecture for grid. , 2008, , .		6
67	Recent Trends in Enantioselective Diorganozinc-Additions to Aldehydes. Letters in Organic Chemistry, 2006, 3, 176-182.	0.5	24
68	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
69	Electronic absorption and emission spectra and computational studies of some 2-aryl, 2-styryl, and 2-(4-aryl)butadienyl quinazolin-4-ones. Computational and Theoretical Chemistry, 2004, 710, 229-234.	1.5	40
70	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. Helvetica Chimica Acta, 2003, 86, 106-121.	1.6	14
71	Title is missing!. Angewandte Chemie, 2003, 115, 2735-2737.	2.0	24
72	A Pseudotetrahedral, High-Oxidation-State Organonickel Compound: Synthesis and Structure of Bromotris(1-norbornyl)nickel(IV). Angewandte Chemie - International Edition, 2003, 42, 2631-2633.	13.8	68

#	ARTICLE	IF	CITATIONS
73	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
74	Chiral ferrocenes derived from (+)-longifoleneâ€”determination of the configuration by NMR spectroscopy and X-ray crystallography. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1331-1335.	1.8	13
75	Chiral $\hat{1}^2$ - and $\hat{1}^3$ -aminoalcohols derived from (+)-camphor and (\hat{a}^{\sim})-fenchone as catalysts for the enantioselective addition of diethylzinc to benzaldehyde. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1323-1329.	1.8	33
76	Biomimetic Formation of Macrocyclic Spermine Alkaloids. <i>Helvetica Chimica Acta</i> , 2001, 84, 2108-2118.	1.6	5
77	Cerium(III) chloride promoted addition of organometallic reagents to (\hat{a}^{\sim})-menthoneâ€”preparation of chiral neomenthyl derivatives â€”Dedicated to Professor Dr. Karl-Heinz Thiele on the occasion of his 70th birthday. â€”. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1517-1526.	1.8	17
78	First example of axial selectivity in the nucleophilic addition to (\hat{a}^{\sim})-menthoneâ€”addition of cyanomethyl lithium â€”Dedicated to Professor Dr. Manfred Hesse on the occasion of his 65th birthday. â€”. <i>Tetrahedron: Asymmetry</i> , 2000, 11, 1513-1516.	1.8	12
79	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
80	(\hat{a}^{\sim})-Fenchone derived epoxy alcoholsâ€”preparation and configuration. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 913-921.	1.8	8
81	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
82	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
83	Highly diastereoselective synthesis of new optically active aminoalcohols in one step from (+)-camphor and (\hat{a}^{\sim})-fenchone. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 1869-1876.	1.8	74
84	New $\hat{1}^2$ -aminoalcohol for the enantioselective addition of dialkylzincs to aldehydes. <i>Tetrahedron: Asymmetry</i> , 1997, 8, 3703-3706.	1.8	66
85	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
86	Highly effective and practical stereoselective synthesis of new homoallylic alcohols with (+)-camphor and (\hat{a}^{\sim})-fenchone skeleton. <i>Tetrahedron</i> , 1996, 52, 1699-1706.	1.9	33
87	Cerium(III) chloride mediated addition of mono- and dilithium ferrocene to (+)-camphor and (\hat{a}^{\sim})-fenchone: synthesis and structure of new chiral ferrocenyl alcohols and diols. <i>Journal of Organometallic Chemistry</i> , 1996, 525, 213-224.	1.8	14
88	Anhydrous cerium(III) chloride â€” Effect of the drying process on activity and efficiency. <i>Tetrahedron Letters</i> , 1996, 37, 6787-6790.	1.4	97
89	1D TOCSY with DANTE-Z-Type Selective Inversion. <i>Journal of Magnetic Resonance Series A</i> , 1995, 117, 292-294.	1.6	6
90	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

#	ARTICLE	IF	CITATIONS
91	Cerium(III) chloride as catalytic and stoichiometric promoter of the quantitative addition of organometallic reagents to (+)-camphor and (-)-fenchone. Tetrahedron Letters, 1994, 35, 6713-6716.	1.4	56
92	Synthesis of new optically active 1,3-diols with camphor and fenchone skeleton. Tetrahedron: Asymmetry, 1994, 5, 1891-1894.	1.8	12