VladimÃ-r V CÃ-rkva

List of Publications by Year
in descending order

56 papers	1,136 citations	331670 21 h-index	434195 31 g-index
59 all docs	59 docs citations	59 times ranked	945 citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Aza[n]helicenes (n = 4â€“7) via Photocyclodehydrochlorination of 1-Chloro-N-aryl-2-naphthamides. Journal of Organic Chemistry, 2022, 87, 7150-7166.	3.2	10
2	Enantioenriched Ruthenium-Tris-Bipyridine Complexes Bearing One Helical Bipyridine Ligand: Access to Fused Multihelicenic Systems and Chiroptical Redox Switches. Inorganic Chemistry, 2021, 60, 11838-11851.	4.0	16
3	Synthesis of Aza[n]phenacenes (n = 4â€“6) via Photocyclodehydrochlorination of 2-Chloro-N-aryl-1-naphthamides. Journal of Organic Chemistry, 2021, 86, 13252-13264.	3.2	5
4	Oxidative Photocyclization of Aromatic Schiff Bases in Synthesis of Phenanthridines and Other Aza-PAHs. International Journal of Molecular Sciences, 2020, 21, 5868.	4.1	15
5	Preparation and Physicochemical Properties of [6]Helicenes Fluorinated at Terminal Rings. Journal of Organic Chemistry, 2019, 84, 1980-1993.	3.2	30
6	Cytotoxicity of hexahelicene and its effect on the aryl hydrocarbon receptor pathway. Toxicology in Vitro, 2019, 57, 105-109.	2.4	3
7	Helicene-SPP-Based Chiral Plasmonic Hybrid Structure: Toward Direct Enantiomers SERS Discrimination. ACS Applied Materials & Interfaces, 2019, 11, 1555-1562.	8.0	54
8	Anodic Deposition of Enantiopure Hexahelicene Layers. ChemElectroChem, 2018, 5, 2080-2088.	3.4	14
9	2-Bromo[6]helicene as a Key Intermediate for [6]Helicene Functionalization. Journal of Organic Chemistry, 2018, 83, 3607-3616.	3.2	34
10	Internal dynamics in helical molecules studied by X-ray diffraction, NMR spectroscopy and DFT calculations. Physical Chemistry Chemical Physics, 2017, 19, 2900-2907.	2.8	33
11	p-Doping of graphene in hybrid materials with 3,10-diazapicenium dications. Chemical Science, 2017, 8, 3494-3499.	7.4	4
12	Experimental and theoretical study on cationâ€“Ï€ interaction of Ag+ with [6]helicene. Structural Chemistry, 2016, 27, 627-635.	2.0	7
13	Cationâ€“Ï€ interaction of Ag+ with [6]helicene: An experimental and theoretical study. Chemical Physics Letters, 2015, 633, 105-108.	2.6	12
14	Cation-Ï€ interaction of Tl+ with [6]helicene: Experimental and DFT study. Journal of Molecular Structure, 2015, 1100, 150-153.	3.6	5
15	Synthesis and Characterization of a Heliceneâ€Based Imidazolium Salt and Its Application in Organic Molecular Electronics. Chemistry - A European Journal, 2015, 21, 2343-2347.	3.3	58
16	Immobilization of helicene onto carbon substrates through electropolymerization of [7]helicenyl-thiophene. RSC Advances, 2014, 4, 46102-46105.	3.6	25
17	Copper-mediated synthesis of mono- and dichlorinated diaryl ethers. Tetrahedron Letters, 2014, 55, 4185-4188.	1.4	8
18	Exploration of 9-bromo[7]helicene reactivity. Tetrahedron, 2013, 69, 6213-6218.	1.9	32

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19	Microwave photocatalysis <scp>IV</scp>: Effects of additional operational parameters on the microwave photocatalytic degradation of monoâ€chloroacetic acid using titaniaâ€coated mercury electrodeless discharge lamps. Journal of Chemical Technology and Biotechnology, 2013, 88, 1109-1113.	3.2	3
20	Rapid and Efficient Synthesis of N-alkylbenzamides Under Microwave Irradiation. Letters in Organic Chemistry, 2013, 10, 126-130.	0.5	2
21	Microwave Photochemistry. Applications in Organic Synthesis. Mini-Reviews in Organic Chemistry, 2011, 8, 282-293.	1.3	19
22	Microwave Photochemistry and Photocatalysis. Part 1: Principles and Overview. Current Organic Chemistry, 2011, 15, 248-264.	1.6	23
23	Microwave photochemistry V: Lowâ€pressure batch and continuousâ€flow microwave photoreactors with quartz mercury electrodeless discharge lamps. Photohydrolysis of monoâ€chloroacetic acid. Journal of Chemical Technology and Biotechnology, 2010, 85, 185-191.	3.2	4
24	Notes on the photo-induced characteristics of transition metal-doped and undoped titanium dioxide thin films. Journal of Colloid and Interface Science, 2010, 348, 198-205.	9.4	69
25	Novel Nucleophilic Compounds with Oxime Group as Reactivators of Paraoxon-Inhibited Cholinesterases. Letters in Drug Design and Discovery, 2010, 7, 260-264.	0.7	3
26	Microwave photocatalysis II: novel continuousâ€flow microwave photocatalytic experimental setâ€up with titaniaâ€coated mercury electrodeless discharge lamps. Journal of Chemical Technology and Biotechnology, 2009, 84, 1125-1129.	3.2	13
27	Microwave photocatalysis III. Transition metal ionâ€doped TiO₂thin films on mercury electrodeless discharge lamps: preparation, characterization and their effect on the photocatalytic degradation of monoâ€chloroacetic acid and Rhodamine B. Journal of Chemical Technology and Biotechnology, 2009, 84, 1624-1630.	3.2	38
28	Efficient preparation of nanocrystalline anatase TiO2 and V/TiO2 thin layers using microwave drying and/or microwave calcination technique. Journal of Solid State Chemistry, 2009, 182, 3387-3392.	2.9	13
29	Novel Bisquaternary Oximesâ€"Reactivation of Acetylcholinesterase and Butyrylcholinesterase Inhibited by Paraoxon. Molecules, 2009, 14, 4915-4921.	3.8	17
30	Microwave photocatalysis of mono-chloroacetic acid over nanoporous titanium(IV) oxide thin films using mercury electrodeless discharge lamps. Journal of Photochemistry and Photobiology A: Chemistry, 2008, 198, 13-17.	3.9	36
31	New perfluoroalkylated amphiphilic methacrylates bearing sulfinyl group asÂmonomers forÂbiomedical applications: water content andÂoxygen permeability ofÂtheirÂcopolymers with DEGMA. European Journal of Medicinal Chemistry, 2006, 41, 1320-1326.	5.5	3
32	Microwave photochemistry IV: Preparation of the electrodeless discharge lamps for photochemical applications. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 179, 229-233.	3.9	26
33	The electrodeless discharge lamp: a prospective tool for photochemistry. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 171, 51-57.	3.9	29
34	Microwave photochemistry III: Photochemistry of 4-tert-butylphenol. Journal of Photochemistry and Photobiology A: Chemistry, 2005, 174, 38-44.	3.9	14
35	Microwave photochemistry. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 168, 197-204.	3.9	15
36	Novel perfluoroalkylated derivatives of d-galactopyranose and xylitol for biomedical uses. Hemocompatibility and effect on perfluorocarbon emulsions. Carbohydrate Research, 2004, 339, 2177-2185.	2.3	17

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37	Amphiphilic Perfluoroalkylated Derivatives of Aliphatic Triols: Hemocompatibility and Effect on Perfluorocarbon Emulsion.. ChemInform, 2003, 34, no.	0.0	0
38	Fluorinated epoxides. Journal of Fluorine Chemistry, 2003, 121, 101-104.	1.7	4
39	The electrodeless discharge lamp: a prospective tool for photochemistry. Journal of Photochemistry and Photobiology A: Chemistry, 2003, 158, 1-5.	3.9	50
40	Amphiphilic Perfluoroalkylated Derivatives of Aliphatic Triols: Hemocompatibility and Effect on Perfluorocarbon Emulsion. Collection of Czechoslovak Chemical Communications, 2002, 67, 1436-1448.	1.0	6
41	Excited- and Ground-State Versions of the Tri-Ï€-methane Rearrangement: Mechanistic and Exploratory Organic Photochemistry1. Journal of Organic Chemistry, 2001, 66, 1839-1851.	3.2	17
42	The electrodeless discharge lamp: a prospective tool for photochemistry. Journal of Photochemistry and Photobiology A: Chemistry, 2001, 140, 185-189.	3.9	48
43	Radical addition reactions of fluorinated species. Part 8. Regioselectivity of radical additions to perfluoroalkylethylenes and quantum chemical calculations. Highly selective two-step synthesis of 4-(perfluoroalkyl)butane-1,2-diols. Journal of Fluorine Chemistry, 2000, 102, 159-168.	1.7	15
44	A ground state tri-Ï€-methane rearrangement. Tetrahedron Letters, 2000, 41, 9585-9587.	1.4	4
45	Fluorinated epoxides. Journal of Fluorine Chemistry, 2000, 102, 349-361.	1.7	16
46	The Tri-Ï€-methane Rearrangement:â€‰ Mechanistic and Exploratory Organic Photochemistry1. Organic Letters, 2000, 2, 2365-2367.	4.6	11
47	Radical addition reactions of fluorinated species. Part 7. Highly selective two-step synthesis of 1-(polyfluoroalkyl)ethane-1,2-diols; regioselectivity of the additions of methylated 1,3-dioxolanes to perfluoroolefins. Journal of Fluorine Chemistry, 1999, 94, 141-156.	1.7	23
48	Microwave photochemistry. Photoinitiated radical addition of tetrahydrofuran to perfluorohexylethene under microwave irradiation. Journal of Photochemistry and Photobiology A: Chemistry, 1999, 123, 21-23.	3.9	60
49	Highly selective synthesis of [(perfluoroalkyl) methyl] oxiranes (by the addition of) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 262 Td	1.7	30
50	Chemistry of [(perfluoroalkyl)methyl] oxiranes. Regioselectivity of ring opening with O-nucleophiles and the preparation of amphiphilic monomers. Journal of Fluorine Chemistry, 1997, 84, 53-61.	1.7	26
51	Radical addition reactions of fluorinated species Part 6. Regioselectivity of the addition of nucleophilic radicals to halogenopropenes and evidence for a steric effect of the chlorine substituent. Journal of Fluorine Chemistry, 1997, 86, 155-171.	1.7	14
52	Radical additions to fluoro-olefins. photochemical mono-fluoroalkylation and sequential bis-fluoroalkylation of oxolane. Journal of Fluorine Chemistry, 1996, 80, 125-134.	1.7	21
53	Radical additions to fluoroolefins. Photochemical fluoroalkylation of alkanols and alkane diols with perfluoro vinyl ethers; photo-supported O-alkylation of butane-1,4-diol with hexafluoropropene. Journal of Fluorine Chemistry, 1996, 80, 135-144.	1.7	19
54	Radical additions to fluoroolefins. Thermal reaction of perfluoroallyl chloride with perfluoroalkyl iodides as a selective synthesis of terminal perfluoroolefins. Journal of Fluorine Chemistry, 1995, 75, 87-92.	1.7	10

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55	Radical-induced reaction of monoiodo- and diiodo-perfluoroalkanes with allyl acetate: telomer and rearranged products, mass-spectral distinguishing of regioisomers. Journal of Fluorine Chemistry, 1995, 74, 97-105.	1.7	28
56	Photoaddition reactions of fluoroolefins with diols and cyclic ethers. Macromolecular Symposia, 1994, 82, 111-114.	0.7	6