

Valery F Traven

List of Publications by Year in descending order

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1,070
citations

566801

15
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98
all docs

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docs citations

98
times ranked

1001
citing authors

#	ARTICLE	IF	CITATIONS
1	NIR-fluorescent coumarin-fused BODIPY dyes with large Stokes shifts. <i>Chemical Communications</i> , 2013, 49, 11653.	2.2	133
2	Charge-transfer complexing between permethylpolysilanes and tetracyanoethylene. <i>Journal of the American Chemical Society</i> , 1973, 95, 6824-6826.	6.6	111
3	Coumarinyl(thienyl)thiazoles: Novel Photochromes with Modulated Fluorescence. <i>Organic Letters</i> , 2008, 10, 1319-1322.	2.4	51
4	Electronic absorption spectra and structure of hydroxycoumarin derivatives and their ionized forms. <i>Canadian Journal of Chemistry</i> , 1997, 75, 365-376.	0.6	41
5	Polymethine dyes derived from boron complexes of acetylhydroxycoumarins. <i>Dyes and Pigments</i> , 2003, 58, 41-46.	2.0	41
6	Keto-enol tautomerism, NMR spectra, and H-D exchange of 4-hydroxycoumarins. <i>Canadian Journal of Chemistry</i> , 1997, 75, 377-383.	0.6	38
7	Discovery of 3-acetyl-4-hydroxy-2-pyrone derivatives and their difluoridoborate complexes as a novel class of HIV-1 integrase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8988-8998.	1.4	36
8	New Synthetic Routes to Furocoumarins and Their Analogs: A Review. <i>Molecules</i> , 2004, 9, 50-66.	1.7	32
9	The first series of 4,11-bis[(2-aminoethyl)amino]anthra[2,3-b]furan-5,10-diones: Synthesis and anti-proliferative characteristics. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 423-428.	2.6	29
10	New reactions, functional compounds, and materials in the series of coumarin and its analogs. <i>Russian Chemical Bulletin</i> , 2012, 61, 1342-1362.	0.4	28
11	2-Quinolone and coumarin polymethines for the detection of proteins using fluorescence. <i>Dyes and Pigments</i> , 2010, 84, 159-164.	2.0	27
12	Z/E(C=C)-isomerization of coumarin enamines induced by organic solvents. <i>Mendeleev Communications</i> , 2009, 19, 214-216.	0.6	20
13	Synthesis and structure of indoline spiropyrans of the coumarin series. <i>Russian Chemical Bulletin</i> , 2005, 54, 2417-2424.	0.4	18
14	New reaction of photoaromatization of aryl- and hetarylpyrazolines. <i>Russian Chemical Bulletin</i> , 2008, 57, 1063-1069.	0.4	18
15	(7-Dialkylamino-3-coumarinyl)pyrazolines - new effective push-pull photogenerators of acidity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 351, 8-15.	2.0	16
16	Quantitative photooxidation of 4-hydroxy-3-pyrazolinylcoumarins to pyrazolyl derivatives. <i>Mendeleev Communications</i> , 2007, 17, 345-346.	0.6	15
17	Aryl(hetaryl)pyrazolines as new photoacid generators for optical information recording. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 295, 34-39.	2.0	15
18	Solvent-induced E/Z(C=N)-isomerization of imines of some hydroxy-substituted formylcoumarins. <i>Russian Chemical Bulletin</i> , 2008, 57, 1989-1995.	0.4	14

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19	Boron chelates in the synthesis of $\hat{1},\hat{2}$ -unsaturated ketones of the coumarin series. Russian Chemical Bulletin, 2006, 55, 2226-2232.	0.4	13
20	Hydrazones derived from thiooxamohydrazides and 3-formyl-4-hydroxycoumarin: synthesis, structures, and fragmentation. Russian Chemical Bulletin, 2012, 61, 2311-2321.	0.4	13
21	Synthesis and structure of new 3-pyrazolinylcoumarins and 3-pyrazolinyl-2-quinolones. Russian Chemical Bulletin, 2008, 57, 1508-1515.	0.4	12
22	Hel photoelectron spectra and structure of 4-hydroxycoumarin. Journal of Electron Spectroscopy and Related Phenomena, 2002, 122, 47-55.	0.8	11
23	Unusual E/Z-isomerization of 7-hydroxy-4-methyl-8-[(9H-fluoren-2-ylimino)methyl]-2H-1-benzopyran-2-one in acetonitrile. Mendeleev Communications, 2007, 17, 88-89.	0.6	11
24	E/Z(C=C)-Isomerization of enamines of 3-formyl-4-hydroxycoumarin induced by organic solvents. Russian Chemical Bulletin, 2010, 59, 1605-1611.	0.4	11
25	On the Mechanism of Photodehydrogenation of Aryl(hetaryl)pyrazolines in the Presence of Perchloroalkanes. Photochemistry and Photobiology, 2018, 94, 659-666.	1.3	11
26	Hel photoelectron spectra and X-ray crystal structure of 2,2-difluoro-4-methyl-5,6-[2H-benzopyrano(3,4-e)-2-one]-1,3,2-dioxaborine. Journal of Electron Spectroscopy and Related Phenomena, 2005, 149, 6-10.	0.8	10
27	Synthesis and structures of boron complexes of acyl hydroxy coumarins. Russian Chemical Bulletin, 2006, 55, 2091-2094.	0.4	10
28	Synthesis and fluorescence of anthra[2,3-b]furan-5,10-dione derivatives. Russian Journal of Organic Chemistry, 2007, 43, 1686-1695.	0.3	10
29	Synthesis and condensation reactions of the boron difluoride complex with 3-acetyl-4-hydroxy-1-methyl-2-quinolone. Russian Chemical Bulletin, 2008, 57, 1734-1739.	0.4	10
30	Synthesis and photoinduced fluorescence of 3-(2-hetarylethenyl)chromen-2-ones. Russian Journal of Organic Chemistry, 2008, 44, 595-601.	0.3	10
31	Synthesis and photochromism of aryl(heteroaryl)- and diheteroarylethenes " coumarin derivatives. Heterocyclic Communications, 2013, 19, .	0.6	10
32	Synthesis and structure of Schiff bases derived from 3-formyl-4-hydroxycoumarin and diamines. Chemistry of Heterocyclic Compounds, 2013, 48, 1781-1792.	0.6	10
33	Crystal and molecular structure of 13,13-dimethyl-8,13-dihydro-5H-dibenzo[d,g][1.2.6]dithiasilone. Journal of Organometallic Chemistry, 1984, 266, 117-121.	0.8	9
34	A New Short Way to Furocoumarins. Heterocyclic Communications, 1996, 2, .	0.6	9
35	Aggregation, spectral features and nonlinear properties of polymolecular layers based on spirocoumarinpyrans. Superlattices and Microstructures, 2004, 36, 73-77.	1.4	9
36	Photochromic properties of indoline spiropyranes of the coumarin series. Russian Chemical Bulletin, 2005, 54, 2425-2431.	0.4	9

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37	The role of the intermolecular π - π interactions in the luminescence behavior of novel coumarin-based pyrazoline materials. <i>Dyes and Pigments</i> , 2021, 186, 108942.	2.0	9
38	Charge-Transfer Complexes of Organosilicon Compounds. <i>Advances in Organometallic Chemistry</i> , 1992, , 149-206.	0.5	8
39	Hel photoelectron spectra and π -electronic structure of substituted 1,3,2,4-benzodithiadiazines, formally antiaromatic 12 π -electron compounds. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2000, 107, 33-38.	0.8	8
40	Structures and biological activity of cinnamoyl derivatives of coumarins and dehydroacetic acid and their boron difluoride complexes. <i>Russian Chemical Bulletin</i> , 2012, 61, 78-90.	0.4	8
41	Synthesis of 3-(5-Methylthiophen-2-yl)coumarins and Their Photochromic Dihetarylethene Derivatives. <i>Journal of Heterocyclic Chemistry</i> , 2013, 50, 891-898.	1.4	8
42	THE BASE-CATALYZED CYCLIZATION OF ACYLMETHYL ETHERS OF 7-HYDROXYCOUMARINS. <i>Heterocyclic Communications</i> , 1997, 3, .	0.6	7
43	The first synthesis of furocoumarin dimers. <i>Mendeleev Communications</i> , 1997, 7, 249-250.	0.6	7
44	UNUSUAL ONE-POT "SUBSTITUTION" OF 3- ACETYL AND 3- ETHOXYCARBONYL FUNCTIONS FOR CYANO GROUP IN COUMARINS. <i>Heterocyclic Communications</i> , 1998, 4, .	0.6	7
45	Synthesis and reactions of dehydracetic acid difluoroborane complex. <i>Russian Journal of Organic Chemistry</i> , 2008, 44, 1054-1060.	0.3	7
46	Coumarinyl(thienyl)thiazoles as new fluorescent molecular photoswitches. <i>Russian Chemical Bulletin</i> , 2009, 58, 162-169.	0.4	7
47	Novel photochromic 3-(3-coumarinyl)-4-(3-thienyl)maleic acid cyclic derivatives. <i>Mendeleev Communications</i> , 2010, 20, 22-24.	0.6	7
48	Transannular donor-acceptor interaction in dibenzochalcogeno-silones. Crystal and molecular structure of 13,13-diphenyl-8,13-dihydro-5H-dibenzo[d,g][1,2,6]dithiasilone. <i>Journal of Organometallic Chemistry</i> , 1988, 347, 33-39.	0.8	6
49	Dependence of Fluorescence Properties of Compounds from Psoralen, Angelicin, and Carbazole Series on the Character of Their Terminal Substituents. <i>Russian Journal of Organic Chemistry</i> , 2003, 39, 881-889.	0.3	6
50	Photochromism of indoline spiropyrans of the coumarin series in polymeric matrices. <i>Russian Chemical Bulletin</i> , 2007, 56, 904-909.	0.4	6
51	Coumarin Polymethines, Their Boron Complexes and Analogs. <i>Topics in Heterocyclic Chemistry</i> , 2008, , 107-131.	0.2	6
52	A new (TTF) ₁₁ ₈ organic molecular conductor: from single crystals to flexible all-organic piezoresistive films. <i>Journal of Materials Chemistry C</i> , 2014, 2, 139-146.	2.7	6
53	Crystal and molecular structure of 13,13-dimethyl-8,13-dihydro-5H-Dibenzo[d,g][1.2.6]diselenagermonine and 13,13-diphenyl-8,13-dihydro-5H-dibenzo[d,g][1.2.6]diselenasilone. <i>Journal of Organometallic Chemistry</i> , 1986, 301, 273-281.	0.8	5
54	Synthesis of 2,24-Diepicasterone and its 22S,23S-Isomer: Novel Brassinosteroids with a trans-2,3-Diol Function. <i>Mendeleev Communications</i> , 1994, 4, 96-97.	0.6	5

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55	New Methods of Synthesis of 4-Methylangelicin. <i>Mendeleev Communications</i> , 1995, 5, 21-22.	0.6	5
56	Electronic Structure of 1,5-Cyclooctadiene-copper(I)-hexafluoroacetylacetonate. <i>Journal of Physical Chemistry A</i> , 2001, 105, 8200-8205.	1.1	5
57	Spectral Study of Interactions of 4,8,4-trimethylpsoralen and 4,4-dimethylangelicin Dyes with DNA. <i>Biochemistry (Moscow)</i> , 2005, 70, 822-832.	0.7	5
58	Photoactivation of fluorescence of rhodamine dyes in the presence of haloalkanes. <i>Russian Chemical Bulletin</i> , 2013, 62, 1195-1200.	0.4	5
59	Molecular and crystal structure of 13,13-dimethyl-8,13-dihydro-5H-dibenzo[d, g]-1,2-diseleno-6-silolone. <i>Journal of Organometallic Chemistry</i> , 1985, 290, 25-31.	0.8	4
60	Synthesis and photochemical properties of phenoxy derivatives of anthra[2,3-b]furan-5,10-dione. <i>Russian Journal of Organic Chemistry</i> , 2008, 44, 855-862.	0.3	4
61	Synthesis of (4-arylpyrrolidin-2-ylidene) derivatives of cyclic β -dicarbonyl compounds from cinnamoyl precursors. <i>Russian Journal of Organic Chemistry</i> , 2014, 50, 1598-1612.	0.3	4
62	Media with photoinduced irreversible fluorescence. <i>Heterocyclic Communications</i> , 2015, 21, 133-143.	0.6	4
63	New Synthesis of 8-Alkoxy-carbonylangelicins. <i>Russian Journal of Organic Chemistry</i> , 2001, 37, 1008-1012.	0.3	3
64	Synthesis and structure of 4-hydroxy-3-pyridylcoumarins. <i>Chemistry of Heterocyclic Compounds</i> , 2009, 45, 1449-1454.	0.6	3
65	Transformations of coumarins accompanied by intermediate opening and recyclization of the lactone ring 3. * Study of the reactions of 3-ethoxy-carbonylcoumarins with cyanoacetyl-hydrazines by NMR spectroscopy. <i>Chemistry of Heterocyclic Compounds</i> , 2010, 46, 37-49.	0.6	3
66	Dihydrofuran ring opening in the reactions of 2,3-dihydrofuro[3,2-c]coumarin-3-one with arylhydrazines. <i>Russian Chemical Bulletin</i> , 2010, 59, 1612-1620.	0.4	3
67	Structure and condensation reactions of 2,3-dihydrofuro[3,2-c]coumarin-3-one. <i>Russian Chemical Bulletin</i> , 2011, 60, 1906-1916.	0.4	3
68	Tautomeric Forms of 3-Formyl- 4-Hydroxycoumarin Arylhydrazones. <i>Chemistry of Heterocyclic Compounds</i> , 2014, 50, 1081-1089.	0.6	3
69	Efficient Photooxidation of Aryl(hetaryl)pyrazolines by Benzoquinone. <i>Photochemistry and Photobiology</i> , 2019, 95, 924-930.	1.3	3
70	Semi-empirical calculations of the electronic structure of 3,3-dimethyl-3-silathietane. <i>Computational and Theoretical Chemistry</i> , 1992, 262, 1-5.	1.5	2
71	Orbital Control in the Dimerization of Polycyclic Aromatic Ketones and Quinones in the Presence of Alkali Metal Alcoholates. <i>Mendeleev Communications</i> , 1993, 3, 216-217.	0.6	2
72	Z/E (C=C)-isomerization and fluorescence modulation of imines of 7-N,N-dialkylamino-4-hydroxy-3-formylcoumarins in organic solvents. <i>Heterocyclic Communications</i> , 2010, 16, .	0.6	2

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73	Opening of furanone ring of 2,3-dihydrofuro[3,2-c]coumarin-3-one derivatives by arylhydrazines. Heterocyclic Communications, 2012, 18, 1-5.	0.6	2
74	Œ-Donors microstructuring on surface of polymer film by their noncovalent interactions with iodine. Materials Chemistry and Physics, 2015, 160, 161-167.	2.0	2
75	Selective O-glucosylation of 4,7-dihydroxycoumarin. Heterocyclic Communications, 1996, 2, .	0.6	1
76	Unusual transformation of 4-methyldihydrofuro[2,3-h]coumarin-9-one oxime in presence of Beckmann rearrangement catalysts. Heterocyclic Communications, 1997, 3, .	0.6	1
77	NEW WAYS OF LACTONE RING SHORTENING AND CYCLOPROPANATION IN COUMARIN DERIVATIVES. Heterocyclic Communications, 1999, 5, .	0.6	1
78	Electronic Structure of Œ Systems: XIX. Keto-Enol Tautomerism of Dihydrofurocoumarinones. Russian Journal of General Chemistry, 2001, 71, 546-552.	0.3	1
79	Title is missing!. Russian Journal of General Chemistry, 2001, 71, 945-949.	0.3	1
80	NEW SYNTHESSES OF FUROQUINOLINE DERIVATIVES. Heterocyclic Communications, 2004, 10, .	0.6	1
81	Reactions of 2,3-dihydrofuro[3,2-c]coumarin-3-one with aromatic amines. Russian Chemical Bulletin, 2009, 58, 1908-1914.	0.4	1
82	Synthesis of 3-aminomethyl-4-hydroxycoumarins and their retro-Mannich reaction in dimethyl sulfoxide. Russian Chemical Bulletin, 2015, 64, 423-428.	0.4	1
83	Steric structure of 3-(5-phenyl-1H-pyrazol-3-yl)coumarins. Journal of Molecular Structure, 2020, 1207, 127765.	1.8	1
84	Structure of 10,10-dimethylphenothiasiline 9,9-dioxide and 10,10,11,11-tetramethylphenothiadisiline. Journal of Structural Chemistry, 1981, 22, 457-457.	0.3	0
85	Mass-spectrometric study of phenothiasilines and of their derivatives and analogs. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1981, 30, 1311-1313.	0.0	0
86	Polarizability anisotropy of some phenyl- and benzylsilanes. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1982, 31, 1821-1823.	0.0	0
87	Structure of 10,10-dimethylphenothiasiline and its chloromethyl derivative. Journal of Structural Chemistry, 1982, 22, 926-928.	0.3	0
88	THE FIRST PYRROLOFUROCOUMARINS. Heterocyclic Communications, 1999, 5, .	0.6	0
89	CONDENSATION OF 1,2-DIAMINOIMIDAZOLES WITH ISATINS. Heterocyclic Communications, 2002, 8, .	0.6	0
90	New Synthetic Routes to Furocoumarins and Their Analogues. ChemInform, 2004, 35, no.	0.1	0

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91	Electronic structure of π -systems. Studies of electronic structures and tautomeric transformations of a series of 4-methyl-8-(R-phenylazo)dihydrofuro[2,3-h]coumarin-9-ones. Russian Chemical Bulletin, 2010, 59, 960-966.	0.4	0
92	Structure and solvatochromic properties of the azo coupling products of 2,3-dihydrofuro[3,2-c]cumarin-3-one. Russian Chemical Bulletin, 2010, 59, 967-973.	0.4	0
93	Z/E(C=C)-isomerization and fluorescence modulation of imines of 7-N,N-dialkylamino-4-hydroxy-3-formylcoumarins in organic solvents. Heterocyclic Communications, 2011, , -.	0.6	0
94	Structure and condensation reactions of acyl(hydroxy)pyrido[1,2-a]indole borodifluoride complexes. Russian Chemical Bulletin, 2015, 64, 883-890.	0.4	0