Rositca D Nikolova

List of Publications by Year
in descending order

35	323	933447	888059
papers	citations	10	17
		h-index	g-index

39	39	39	191
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A comparative study of the interaction of salicylaldehydes with phosphonoacetates under Knoevenagel reaction conditions. Synthesis of 1,2-benzoxaphosphorines and their dimers. Tetrahedron, 1996, 52, 12597-12612.	1.9	60
2	Reaction of 3-bromobenzyl and 3-bromoacetyl coumarin with phosphites. Synthesis of some new phosphonates and phosphates in the coumarin series. Tetrahedron, 1998, 54, 14407-14420.	1.9	37
3	Regio- and Stereoselective [2+2] Photodimerization of 3-Substituted 2-Alkoxy-2-oxo-2H-1,2-benzoxaphosphorines. Molecules, 2002, 7, 420-432.	3.8	28
4	A new and efficient method for conjugate addition of trialkylphosphites to 3-acylsubstituted coumarins. Tetrahedron, 2004, 60, 10335-10342.	1.9	25
5	Hydrogenation/Regioselective Câ€Acylation Reaction of Diethyl Coumarinâ€3â€phosphonate With NaBH4/Acid Anhydrides: A New Oneâ€Pot Tandem Reaction. Synthetic Communications, 2006, 36, 509-524.	2.1	18
6	Synthesis of heterocyclic methylenebisphosphonates by 1,3-dipolar cycloaddition of ethyl diazoacetate to 1,2-benzoxaphosphorin-3-phosphonates. Tetrahedron, 2009, 65, 1639-1647.	1.9	18
7	Density functional study of the interaction of 3-(Ï‰-bromoacetyl)coumarin with phosphites. International Journal of Quantum Chemistry, 2006, 106, 1357-1366.	2.0	14
8	Synthesis and Chemical Properties of 3-Phosphono-coumarins and 1,2-Benzoxaphosphorins as Precursors for Bioactive Compounds. Molecules, 2019, 24, 2030.	3.8	13
9	A New and Efficient Method for the Synthesis of 3,4-Disubstituted Pyrrolidine-2,5-diones. Molecules, 2012, 17, 4936-4949.	3.8	12
10	Ring Opening Reactions of 3-Phosphonocoumarin Under Michael Reaction Conditions. Phosphorus, Sulfur and Silicon and the Related Elements, 2012, 187, 39-50.	1.6	11
11	Potassium Fluoride Promoted Reaction of 3-Acylsubsti-Tuted 2H-1-Benzopyran-2-Ones with Acid Anhydrides. An Improved Method for the Synthesis of 4-(2-Oxoalkyl)-2H-Chroman-2-Ones. Part III1. Synthetic Communications, 1992, 22, 741-754.	2.1	10
12	Ethyl esters of coumarin-3-phosphonic acid and 1,2-benzoxaphosphorine-3-carboxylic acid: crystal structure, spectroscopic and theoretical elucidation. Structural Chemistry, 2008, 19, 975-982.	2.0	7
13	Theoretical elucidation of the regioselectivity in a tandem 1,4-hydride addition/acylation of diethylphosphonocoumarin. Computational and Theoretical Chemistry, 2006, 759, 177-187.	1.5	6
14	1,10-Phenanthrolinium hydrogensquarate monohydrateâ€"A non-centrosymmetric structure from two non-chiral agents. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 929-935.	3.9	6
15	Surface interaction and self-assembly of cyclodextrins with organic dyes. Journal of Inclusion Phenomena and Macrocyclic Chemistry, 2010, 67, 317-324.	1.6	6
16	Individual control of singlet lifetime and triplet yield in halogen-substituted coumarin derivatives. RSC Advances, 2020, 10, 27096-27102.	3.6	6
17	Theoretical and Experimental Local Reactivity Parameters of 3-Substituted Coumarin Derivatives. Journal of Physical Chemistry A, 2014, 118, 11062-11073.	2.5	5
18	Ultrafast hydrogen bond dynamics and partial electron transfer after photoexcitation of diethyl ester of 7-(diethylamino)-coumarin-3-phosphonic acid and its benzoxaphosphorin analog. Physical Chemistry Chemical Physics, 2015, 17, 9919-9926.	2.8	5

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19	Ultrasound-Assisted Conjugate Addition of Organometallic Reagents to 3-Diethylphosphonocoumarin. Synlett, 2016, 27, 2676-2680.	1.8	5
20	Computational elucidation of the reaction mechanism for synthesis of pyrrolidinedione derivatives via Nef-type rearrangement â€“ cyclization reaction. RSC Advances, 2018, 8, 3178-3188.	3.6	4
21	Ultrasound-Assisted Metal-Mediated Method for the Formation of Tetrahydro-3,3â€²-Disubstituted Biscoumarins. Molecules, 2018, 23, 2810.	3.8	4
22	Novel organic material with potential NLO application - electronic and spectroscopic properties. Open Chemistry, 2008, 6, 592-599.	1.9	3
23	Hydrogensquarates of 3-nicotinoyl and 3-isonicotinoyl coumarinâ€”Crystal structures and spectroscopic elucidation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 73, 72-78.	3.9	3
24	Substituted coumarins as ambident nucleophiles in one-pot hydrogenation/alkylation reaction. Chemical Papers, 2020, 74, 2627-2634.	2.2	3
25	Spectroscopic Elucidation of the Coordination Ability of 2-Oxo-2H-Chromene-3-Phosphonic Acid with Pt(II). Spectroscopy Letters, 2008, 41, 399-404.	1.0	2
26	Substituted Esters of Coumarin-3-phosphonic Acidâ€”Linear-Polarized IR-Spectroscopic Elucidation. Phosphorus, Sulfur and Silicon and the Related Elements, 2008, 183, 2998-3012.	1.6	2
27	Coordination ability of 3-pyridinyl coumarins with palladium(II) and platinum(II). Journal of Coordination Chemistry, 2009, 62, 3179-3186.	2.2	2
28	Esters of 1-coumarinylbenzylphosphonic acidâ€”IR-spectroscopic and theoretical elucidation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2009, 72, 280-284.	3.9	2
29	Influence of BH3and alkaline cation released from the reduction agent on a tandem reduction/acylation reaction-A computational study. International Journal of Quantum Chemistry, 2007, 107, 1814-1825.	2.0	1
30	Novel pyridylâ€substituted coumarin and its perchlorate saltâ€“crystal structure and spectroscopic properties. Journal of Physical Organic Chemistry, 2009, 22, 726-734.	1.9	1
31	Crystal structure and spectroscopic properties of 4-acetaminopyridine and its protonated form. Polish Journal of Chemical Technology, 2009, 11, 35-40.	0.5	1
32	Crystal Structure and Spectroscopic Properties of (2-oxo-2H-chromen-3-yl)phosphonic Acid Monoethyl Ester Trihydrate. Phosphorus, Sulfur and Silicon and the Related Elements, 2011, 186, 1626-1634.	1.6	1
33	Tandem Michaelâ€Type Reactions with 3â€Substituted Coumarins: Phosphorylation Protocol. ChemistrySelect, 2020, 5, 7098-7103.	1.5	1
34	A New and Efficient Method for Conjugate Addition of Trialkylphosphites to 3-Acylsubstituted Coumarins.. ChemInform, 2005, 36, no.	0.0	0
35	Current attempt on the transformations of coumarinyl-1,2-epoxyphosphonates. Phosphorus, Sulfur and Silicon and the Related Elements, 0, , 1-5.	1.6	0