Nevena I Petkova

List of Publications by Year
in descending order

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20 papers	138 citations	1478505 6 h-index	1281871 11 g-index
22 all docs	22 docs citations	22 times ranked	64 citing authors

#	Article	IF	Citations
1	A new and efficient method for conjugate addition of trialkylphosphites to 3-acylsubstituted coumarins. Tetrahedron, 2004, 60, 10335-10342.	1.9	25
2	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
3	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
4	Synthesis and Chemical Properties of 3-Phosphono-coumarins and 1,2-Benzoxaphosphorins as Precursors for Bioactive Compounds. Molecules, 2019, 24, 2030.	3.8	13
5	A New and Efficient Method for the Synthesis of 3,4-Disubstituted Pyrrolidine-2,5-diones. Molecules, 2012, 17, 4936-4949.	3.8	12
6	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
7	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
8	Theoretical and Experimental Local Reactivity Parameters of 3-Substituted Coumarin Derivatives. Journal of Physical Chemistry A, 2014, 118, 11062-11073.	2.5	5
9	Ultrasound-Assisted Conjugate Addition of Organometallic Reagents to 3-Diethylphosphonocoumarin. Synlett, 2016, 27, 2676-2680.	1.8	5
10	A Convenient Synthesis of Esters of Î²-Phenylglutamic Acid Under Aqueous Conditions. Synthetic Communications, 2003, 33, 3661-3670.	2.1	4
11	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
12	Ultrasound-Assisted Metal-Mediated Method for the Formation of Tetrahydro-3,3â€²-Disubstituted Biscoumarins. Molecules, 2018, 23, 2810.	3.8	4
13	Bioorthogonal Labeling Reveals Different Expression of Glycans in Mouse Hippocampal Neuron Cultures during Their Development. Molecules, 2020, 25, 795.	3.8	3
14	Substituted coumarins as ambident nucleophiles in one-pot hydrogenation/alkylation reaction. Chemical Papers, 2020, 74, 2627-2634.	2.2	3
15	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
16	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
17	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
18	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

#	Article	IF	Citations
19	Tandem Michaelâ€Type Reactions with 3â€Substituted Coumarins: Phosphorylation Protocol. ChemistrySelect, 2020, 5, 7098-7103.	1.5	1
20	Current attempt on the transformations of coumarinyl-1,2-epoxyphosphonates. Phosphorus, Sulfur and Silicon and the Related Elements, 0, , 1-5.	1.6	0