Peter Poliak

List of Publications by Year
in descending order

27 papers	232 citations	1040056 9 h-index	1058476 14 g-index
27 all docs	27 docs citations	27 times ranked	361 citing authors

#	Article	IF	Citations
1	Study of natural anthraquinone colorants by EPR and UV/vis spectroscopy. Dyes and Pigments, 2016, 132, 79-93.	3.7	39
2	From phenols to quinones: Thermodynamics of radical scavenging activity of para-substituted phenols. Phytochemistry, 2019, 166, 112077.	2.9	34
3	Thermodynamic study of vitamin B6 antioxidant potential. Computational and Theoretical Chemistry, 2016, 1077, 32-38.	2.5	20
4	On the toxicity of para-substituted phenols and their quinone metabolites: Quantum chemical study. Chemical Physics Letters, 2018, 709, 71-76.	2.6	17
5	The ab initio study of halogen and hydrogen Ïƒ N -bonded para -substituted pyridineâ‹¯(X 2 /XY/HX) complexes. Chemical Physics Letters, 2015, 619, 7-13.	2.6	14
6	The DFT calculations of pK_a values of the cationic acids of aniline and pyridine derivatives in common solvents. Acta Chimica Slovaca, 2014, 7, 25-30.	0.8	12
7	Design of Novel Generations of Planar Sunflower Molecules: Theoretical Comparative Study of Electronic Structure and Charge Transport Characteristics. Journal of Physical Chemistry C, 2019, 123, 22752-22766.	3.1	12
8	Density-functional theoretical study of fluorination effect on the electronic structure and electron drift mobilities of symmetric pentacene derivatives. Synthetic Metals, 2018, 240, 67-76.	3.9	10
9	Quantum-chemical study of Câ€” H bond dissociation enthalpies of various small non-aromatic organic molecules. Acta Chimica Slovaca, 2013, 6, 64-72.	0.8	10
10	Water effect on the bond dissociation energy of Oâ€“H and Nâ€“H bonds in phenol and aniline: The testing of simple molecular dynamics model. Acta Chimica Slovaca, 2014, 7, 123-128.	0.8	7
11	Theoretical and experimental study of model oligothiophenes containing 1-methylene-2-(perfluorophenyl)hydrazine terminal unit. Synthetic Metals, 2016, 219, 83-92.	3.9	6
12	Electronic structure and charge-transport properties of symmetric linear condensed bis-benzothiadiazole derivatives. Journal of Molecular Structure, 2019, 1175, 297-306.	3.6	6
13	Substitution and torsional effects on the energetics of homolytic Nâ€“H bond cleavage in diphenylamines. Polymer Degradation and Stability, 2015, 114, 37-44.	5.8	5
14	Thermodynamics of radical scavenging of symmetric carotenoids and their charged species. Food Chemistry, 2018, 268, 542-549.	8.2	5
15	UDP-N-acetyl-Î±-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase from the snail Biomphalaria glabrata â€“ structural reflections. Glycoconjugate Journal, 2020, 37, 15-25.	2.7	5
16	Theoretical comparative study of promising semiconducting aromatic molecules and their fluorinated counterparts. Synthetic Metals, 2020, 260, 116263.	3.9	5
17	Torsional deformation effect on the Nâ€”H bond dissociation energy in diphenylamine. Acta Chimica Slovaca, 2013, 6, 182-186.	0.8	5
18	Polyradical PROXYL/TEMPOâ€Derived Amides: Synthesis, Physicochemical Studies, DFT Calculations, and Antimicrobial Activity. ChemPlusChem, 2017, 82, 1326-1340.	2.8	4

#	Article	IF	Citations
19	B3LYP Study of 3-hydroxynaphthalene-2-carboxanilide para-derivatives. Acta Chimica Slovenica, 2018, 65, 23-33.	0.6	4
20	Inhibition of the Peroxygenase Lytic Polysaccharide Monooxygenase by Carboxylic Acids and Amino Acids. Antioxidants, 2022, 11, 1096.	5.1	4
21	ON THE THERMODYNAMICS OF ANTIOXIDANT ACTION OF NATURALLY OCCURRING HYDROXYDERIVATIVES OF CIS-CINNAMIC ACID. Journal of the Serbian Society for Computational Mechanics, 2020, , 26-36.	0.4	2
22	On local aromaticity of selected model aza-[n]circulenes (n = 6, 7, 8 and 9): Density functional theoretical study. Acta Chimica Slovaca, 2019, 12, 70-81.	0.8	2
23	Theoretical study of the energetics of carboxylic Oâ€“H bond cleavage in the para- and meta-substituted benzoic acid derivatives. Acta Chimica Slovaca, 2015, 8, 70-77.	0.8	1
24	Theoretical study of the substituent effect on the hydrogen atom transfer mechanism of meta- and para-substituted benzenetellurols. Computational and Theoretical Chemistry, 2016, 1079, 64-69.	2.5	1
25	Theoretical study of substituent effects on the geometry and strain enthalpy in [2,2]paracyclophanes. Acta Chimica Slovaca, 2016, 9, 6-13.	0.8	1
26	Quantum chemical study of electron structure and charge transport properties of symmetric acenequinones. Acta Chimica Slovaca, 2018, 11, 83-93.	0.8	1
27	Quantum-chemical study of molecular structure and relative stability of trans and cis isomers of model anilide derivatives. Acta Chimica Slovaca, 2017, 10, 144-151.	0.8	0