

# Ehsan Fereyduni

## List of Publications by Year in descending order

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14  
papers

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citations

1163117

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docs citations

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times ranked

319  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of capillary gas chromatographic retention times of fatty acid methyl esters in human blood using MLR, PLS and back-propagation artificial neural networks. <i>Talanta</i> , 2011, 83, 1014-1022.	5.5	72
2	FT-IR, FT-Raman, UV, NMR spectra, molecular structure, ESP, NBO and HOMO-LUMO investigation of 2-methylpyridine 1-oxide: A combined experimental and DFT study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 438-447.	3.9	46
3	Transient [3,3] Cope rearrangement of 3,3-dicyano-1,5-dienes: computational analysis and 2-step synthesis of arylcycloheptanes. <i>Chemical Science</i> , 2018, 9, 8760-8764.	7.4	20
4	Single crystal structure, spectroscopic (FT-IR, FT-Raman, <sup>1</sup> H NMR, <sup>13</sup> C NMR) studies, physico-chemical properties and theoretical calculations of 1-(4-chlorophenyl)-3-(4-nitrophenyl)triazene. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 90, 193-201.	3.9	17
5	Substitution effects at $\hat{1}\pm$ -position of divalent five-membered ring XC <sub>4</sub> H <sub>3</sub> M (M=C, Si and Ge). <i>Journal of Organometallic Chemistry</i> , 2011, 696, 932-939.	1.8	14
6	One-pot synthesis, FT-IR and density functional method (DFT) studies on N-benzyl-N-ethyl-N-[5-nitro-2-(1,1,3,3-Tetramethylbutylamino)-1-benzofuran-3-yl]amine. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 116, 65-73.	3.9	14
7	Factors Governing and Application of the Cope Rearrangement of 3,3-Dicyano-1,5-dienes and Related Studies. <i>Organic Letters</i> , 2017, 19, 4130-4133.	4.6	12
8	A theoretical study of the intramolecular proton transfer and calculation of the nucleus independent chemical shift in juglone and some of its derivatives. <i>Journal of the Serbian Chemical Society</i> , 2011, 76, 879-890.	0.8	11
9	Substituent effects of $\hat{1}\pm, \hat{1}^2$ -unsaturated aldehyde compounds in inverse electron demand Hetero-Diels-Alder reactions: A theoretical study. <i>Computational and Theoretical Chemistry</i> , 2009, 915, 58-62.	1.5	5
10	THE SUBSTITUTION EFFECT ON THE AROMATICITY OF SOME N-PHENYLACETAMIDE DERIVATIVES: A DFT STUDY. <i>Journal of Theoretical and Computational Chemistry</i> , 2012, 11, 1331-1339.	1.8	5
11	Structural and Solution Studies of two Mercury(II) Complexes with [1,3-Bis(2-ethoxy)benzene]triazene. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2012, 638, 220-223.	1.2	5
12	Overcoming Kinetic and Thermodynamic Challenges of Classic Cope Rearrangements. <i>Journal of Organic Chemistry</i> , 2021, 86, 2632-2643.	3.2	5
13	Synthesis, spectroscopic and DFT investigation of dimethyl-2-(5-acetyl-2,2-dimethyl-4,6-dioxo-1,3-dioxan-5-yl)-3-(triphenylphosphinylidene)succinate. <i>Journal of Molecular Structure</i> , 2011, 985, 120-127.	3.6	4
14	Bis[1-(2-ethoxyphenyl)-3-(4-nitrophenyl)triazenido]mercury(II). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2010, 66, m1082-m1082.	0.2	2