

# Petru Ivan Filip

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,111  
citations

687220

13  
h-index

677027

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1472  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sunflower and rapeseed oil transesterification to biodiesel over different nanocrystalline MgO catalysts. <i>Green Chemistry</i> , 2008, 10, 373-381.	4.6	238
2	The use of ultrasound for the extraction of bioactive principles from plant materials. <i>Ultrasonics Sonochemistry</i> , 1997, 4, 135-139.	3.8	233
3	Sustainability metrics for succinic acid production: A comparison between biomass-based and petrochemical routes. <i>Catalysis Today</i> , 2015, 239, 17-24.	2.2	143
4	A new approach for devising local graph invariants: Derived topological indices with low degeneracy and good correlation ability. <i>Journal of Mathematical Chemistry</i> , 1987, 1, 61-83.	0.7	109
5	Transesterification of vegetable oils on basic large mesoporous alumina supported alkaline fluorides—Evidences of the nature of the active site and catalytic performances. <i>Journal of Catalysis</i> , 2009, 263, 56-66.	3.1	106
6	Removal of uranium (VI) from aqueous systems by nanoscale zero-valent iron particles suspended in carboxy-methyl cellulose. <i>Journal of Nuclear Materials</i> , 2013, 443, 250-255.	1.3	54
7	Estimation of the Liquid Viscosity of Organic Compounds with a Quantitative Structure—Property Model. <i>Journal of Chemical Information and Computer Sciences</i> , 1999, 39, 515-524.	2.8	47
8	Computer generation of acyclic graphs based on local vertex invariants and topological indices. Derived canonical labelling and coding of trees and alkanes. <i>Journal of Mathematical Chemistry</i> , 1992, 11, 79-105.	0.7	34
9	Computer program for finding all possible cycles in graphs. <i>Journal of Computational Chemistry</i> , 1985, 6, 316-329.	1.5	29
10	ROMP Synthesis of Iron-Containing Organometallic Polymers. <i>Molecules</i> , 2016, 21, 198.	1.7	28
11	Four New Topological Indices Based on the Molecular Path Code. <i>Journal of Chemical Information and Modeling</i> , 2007, 47, 716-731.	2.5	21
12	Unexpected formation of pyrrolo[1,2-a]quinoxaline derivatives during the multicomponent synthesis of pyrrolo[1,2-a]benzimidazoles. <i>Tetrahedron Letters</i> , 2013, 54, 1486-1488.	0.7	20
13	Unusual Behavior of a Novel Heterogeneous Chiral Dimer Cr(III)—Salen Complex in the Epoxidation/Epoxide Ring-Opening Reaction of trans-Methylcinnamate Ester. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1112-1122.	1.5	13
14	Efficient Sc triflate mesoporous-based catalysts for the synthesis of 4,4-dimethylenedianiline from aniline and 4-aminobenzylalcohol. <i>Journal of Catalysis</i> , 2012, 287, 76-85.	3.1	9
15	A new synthesis of pyrrolo[1,2-c]quinazoline from quinazolinium N-ylides: a re-investigation. <i>Arkivoc</i> , 2009, 2009, 232-241.	0.3	5
16	Stereochemistry of the t-butylcyanoketen cycloaddition to norbornene. <i>Journal of the Chemical Society Chemical Communications</i> , 1975, , 635-636.	2.0	4
17	Mandelazo I As A Reagent For Zr(IV) Determination. <i>Analytical Letters</i> , 1984, 17, 1963-1972.	1.0	3
18	Removal of uranyl ions by p-hexasulfonated calyx[6]arene acid. <i>Journal of Nuclear Materials</i> , 2014, 453, 75-81.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Vibrational circular dichroism of 2,6-di-sec-butyl-4-methylpyridine and 2,6-di-sec-butyl-4-methylpyridine-N-oxide: theoretical evidence on the existence of multiple $\delta^{\ominus}\text{CH}$ , $\delta^{\ominus}\text{CH}_2$ , and $\delta^{\ominus}\text{CH}_3\hat{\ominus}\text{O}$ intramolecular hydrogen bonds on the nitroxide oxygen. <i>Tetrahedron: Asymmetry</i> , 2014, 25, 725-735.	1.8	3
20	Vibrational and electronic circular dichroism studies on the axially chiral pyridine-N-oxide: trans-2,6-di-ortho-tolyl-3,4,5-trimethylpyridine-N-oxide. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 1043-1049.	1.8	3
21	Attempts to Upcycle PET Wastes into Bio-based Long-lasting Insulating Materials. <i>Revista De Chimie (discontinued)</i> , 2019, 70, 2301-2307.	0.2	3