

# Mykhaylo S Frasinyuk

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Discovery and Development of Small-Molecule Inhibitors of Glycogen Synthase. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3538-3551.	2.9	52
2	Synthesis and properties of 4-(3-amino-2-benzofuranyl)-coumarins. <i>Chemistry of Heterocyclic Compounds</i> , 2009, 45, 1261-1269.	0.6	30
3	Carboxylated aurone derivatives as potent inhibitors of xanthine oxidase. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 3606-3613.	1.4	25
4	Aurones: Synthesis and Properties. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 285-299.	0.6	25
5	Developing antineoplastic agents that target peroxisomal enzymes: cytosine-linked isoflavonoids as inhibitors of hydroxysteroid 17-beta-dehydrogenase-4 (HSD17B4). <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7623-7629.	1.5	24
6	Chemistry of 3-Hetarylcoumarins. 1. 3-(2-Benzazolyl)coumarins. <i>Chemistry of Heterocyclic Compounds</i> , 2001, 37, 1029-1037.	0.6	23
7	Synthesis of cytosine derivatives of coumarins. <i>Chemistry of Natural Compounds</i> , 2007, 43, 590-593.	0.2	19
8	Synthesis and tautomerization of hydroxylated isoflavones bearing heterocyclic hemi-aminals. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 1053-1067.	1.5	19
9	Antineoplastic Isoflavonoids Derived from Intermediate <i>ortho</i> -Quinone Methides Generated from Mannich Bases. <i>ChemMedChem</i> , 2016, 11, 600-611.	1.6	19
10	Application of Mannich bases to the synthesis of hydroxymethylated isoflavonoids as potential antineoplastic agents. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 11292-11301.	1.5	18
11	Synthesis of cytosine derivatives of flavonoids. 2. Aminomethylation of 7-hydroxyisoflavones. <i>Chemistry of Natural Compounds</i> , 2011, 47, 604-607.	0.2	16
12	Semisynthetic aurones inhibit tubulin polymerization at the colchicine-binding site and repress PC-3 tumor xenografts in nude mice and myc-induced T-ALL in zebrafish. <i>Scientific Reports</i> , 2019, 9, 6439.	1.6	15
13	Reaction of natural isoflavonoids and their analogs with hydroxylamine. <i>Chemistry of Natural Compounds</i> , 2007, 43, 402-407.	0.2	14
14	Synthesis and aminomethylation of 7-hydroxy-5-methoxyisoflavones. <i>Chemistry of Natural Compounds</i> , 2013, 49, 235-241.	0.2	14
15	Novel Mycosin Protease MycP <sub>1</sub> Inhibitors Identified by Virtual Screening and 4D Fingerprints. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 1166-1173.	2.5	14
16	One-Pot Synthesis of B-Ring <i>ortho</i> -Hydroxylated Sappanin-Type Homoisoflavonoids. <i>Journal of Organic Chemistry</i> , 2019, 84, 7138-7147.	1.7	14
17	Synthesis of Analogs of Natural Isoflavonoids Containing Phloroglucinol. <i>Chemistry of Natural Compounds</i> , 2003, 39, 271-275.	0.2	13
18	3-(2-Pyridyl)coumarins. <i>Chemistry of Natural Compounds</i> , 2005, 41, 523-528.	0.2	13

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19	Synthesis of flavonoid derivatives of cytosine. 1. aminomethylation of 7-hydroxy-3-aryl coumarins. <i>Chemistry of Natural Compounds</i> , 2010, 46, 771-773.	0.2	13
20	Efficient synthesis of aurone Mannich bases and evaluation of their antineoplastic activity in PC-3 prostate cancer cells. <i>Chemical Papers</i> , 2018, 72, 2443-2456.	1.0	13
21	Chromone Alkaloids: Structural Features, Distribution in Nature, and Biological Activity. <i>Chemistry of Natural Compounds</i> , 2019, 55, 201-234.	0.2	13
22	New flavonoid-containing derivatives of lupinine. <i>Chemistry of Natural Compounds</i> , 2012, 48, 234-237.	0.2	11
23	Pentapeptide boronic acid inhibitors of Mycobacterium tuberculosis MycP1 protease. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3546-3548.	1.0	11
24	New Aloperineâ€“Isoflavone Conjugates. <i>Chemistry of Natural Compounds</i> , 2016, 52, 615-619.	0.2	11
25	Synthesis and properties of 4-chloromethyl-6-hydroxy-coumarins and 4-(2-benzofuryl)-6-hydroxycoumarins. <i>Chemistry of Heterocyclic Compounds</i> , 2009, 45, 290-296.	0.6	9
26	Synthesis and properties of 4-(3-aminothieno-[2,3-b]pyridin-2-yl)coumarins. <i>Chemistry of Heterocyclic Compounds</i> , 2012, 48, 955-962.	0.6	9
27	Synthesis of amino-acid derivatives of formononetin and cladrin. <i>Chemistry of Natural Compounds</i> , 2012, 48, 570-573.	0.2	9
28	Reaction of analogs of natural isoflavonoids with amidines. <i>Chemistry of Natural Compounds</i> , 2006, 42, 673-676.	0.2	8
29	Chemistry of hetero analogs of isoflavones 26. Synthesis of 2-alkyl derivatives of 3-(thiazol-2-yl)- and 3-(benzothiazol-2-yl)chromones. <i>Chemistry of Heterocyclic Compounds</i> , 2008, 44, 666-670.	0.6	8
30	Synthesis of Aminomethyl Derivatives of Chrysin. <i>Chemistry of Natural Compounds</i> , 2013, 49, 841-844.	0.2	8
31	Synthesis of Flavonoid Derivatives of Cytosine. 5. Aminomethylation of 6-Hydroxyaurones. <i>Chemistry of Natural Compounds</i> , 2017, 53, 708-713.	0.2	8
32	Synthesis of Formononetin Analogs. <i>Chemistry of Natural Compounds</i> , 2003, 39, 344-348.	0.2	7
33	Chemistry of 3-hetarylcoumarins 3*. Synthesis and aminomethylation of 7-hydroxy-3,4-bis-bicycoumarins. <i>Chemistry of Heterocyclic Compounds</i> , 2012, 48, 422-426.	0.6	7
34	Synthesis of 4-aryl-3-[2-hydroxy-4-(2-cytisin-12-ylethoxy)phenyl]pyrazoles. <i>Chemistry of Natural Compounds</i> , 2014, 50, 889-891.	0.2	7
35	Development of 6 H -chromeno[3,4- c ]pyrido[3,4- b ]thieno[2,3- e ]pyridazin-6-ones as Par-4 secretagogues. <i>Tetrahedron Letters</i> , 2015, 56, 3382-3384.	0.7	7
36	Chemistry of heteroanalogs of isoflavones. 16. Benzthiazole analogs of isoflavones. <i>Chemistry of Heterocyclic Compounds</i> , 1994, 30, 405-412.	0.6	6

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37	Synthesis of analogs of natural 2â€²-methoxyisoflavones. Chemistry of Natural Compounds, 2006, 42, 142-147.	0.2	6
38	Aminomethylation of cytisine by 3-hetaryl-7-hydroxychromones. Chemistry of Natural Compounds, 2007, 43, 285-290.	0.2	6
39	Aminomethylation of formononetin and cladrin by primary amines. Chemistry of Natural Compounds, 2009, 45, 492-495.	0.2	6
40	Features of the aminomethylation of 7-hydroxy-4â€²-fluoroisoflavones with primary amines. Chemistry of Heterocyclic Compounds, 2010, 46, 146-150.	0.6	6
41	Cyclic Carboxylic Anhydrides as New Reagents for Formation of Chromone Ring. Journal of Heterocyclic Chemistry, 2014, 51, 768-774.	1.4	6
42	Extending the Inhibition Profiles of Coumarin-Based Compounds Against Human Carbonic Anhydrases: Synthesis, Biological, and In Silico Evaluation. Molecules, 2019, 24, 3580.	1.7	6
43	Aminomethylation of cytisine by 3-hetaryl-7-hydroxycoumarins. Chemistry of Natural Compounds, 2007, 43, 176-180.	0.2	5
44	Synthesis of Flavonoid Derivatives of Cytisine. 3. Synthesis of 7-[2-(Cytisin-12-yl)ethoxy]isoflavones. Chemistry of Natural Compounds, 2013, 48, 970-973.	0.2	5
45	Synthesis and properties of 2-benzylidene-8,9-dihydro-7H-furo[2,3-f][1,3]benzoxazin-3(2H)-one derivatives. Chemistry of Heterocyclic Compounds, 2016, 52, 592-600.	0.6	5
46	The synthesis of arginine derivatives of chromone and azaauracil. Russian Journal of Bioorganic Chemistry, 2006, 32, 277-279.	0.3	4
47	Aminomethylation of 3-aryl-7-hydroxycoumarins. Chemistry of Heterocyclic Compounds, 2010, 46, 529-535.	0.6	4
48	Synthesis of aminomethyl derivatives of sophoricoside. Chemistry of Natural Compounds, 2012, 48, 26-29.	0.2	4
49	Synthesis of 4-Aryl-5-[2-Hydroxy-4-Î²-(N,N-Dialkylamino) Ethoxyphenyl]Isoxazoles. Chemistry of Natural Compounds, 2013, 49, 826-829.	0.2	4
50	Synthesis of Flavonoid Derivatives of Cytisine. 4. Synthesis of 3-aryl-7-[2-(cytisin-12-yl)ethoxy]Coumarins. Chemistry of Natural Compounds, 2014, 50, 420-423.	0.2	4
51	Synthesis and Aminomethylation of 3-Substituted 6-Hydroxy-1,2-Benzisoxazoles. Chemistry of Heterocyclic Compounds, 2015, 50, 1616-1623.	0.6	4
52	Synthesis of Aloperine-Containing Mannich Bases of Isoflavones. Chemistry of Natural Compounds, 2015, 51, 643-645.	0.2	4
53	Inverse electron demand Dielsâ€“Alder reactions with aminomethyl derivatives of 3-arylhydroxycoumarins. Chemistry of Heterocyclic Compounds, 2016, 52, 460-466.	0.6	4
54	New Heterocyclic Pyrano[2â€²,3â€²:5,6]Chromeno[3,2-c]Pyridin-4-Ones and Furo[2â€²,3â€²:5,6]Chromeno[3,2-c]Pyridin-3(2H)-Ones Synthesized Via a Hetero-Dielsâ€“Alder Reaction. Chemistry of Natural Compounds, 2016, 52, 1000-1004.	0.2	4

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55	Observations from aminomethylation of 7-substituted 6-hydroxyaurones. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 765-772.	0.6	4
56	A Direct Synthesis of 2-((Carboxyalkyl)isoflavones from <i>ortho</i> -Hydroxylated Deoxybenzoins. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5460-5463.	1.2	4
57	Trifluoroacetylation of 2-Methyl- and 2-Ethylchromones: A Convenient Access to 2-Trifluoroacetyl Chromones. <i>ChemistrySelect</i> , 2019, 4, 11506-11510.	0.7	4
58	Advances in chemistry of chromone aminomethyl derivatives. <i>French-Ukrainian Journal of Chemistry</i> , 2015, 3, 21-39.	0.1	4
59	Synthesis of Pseudobaptigenin Analogs. <i>Chemistry of Natural Compounds</i> , 2003, 39, 265-270.	0.2	3
60	Synthesis of 6-(3-Pyrazolyl)-4-Methylumbelliferone Derivatives Substituted on the Pyrazole Ring. <i>Chemistry of Natural Compounds</i> , 2015, 51, 630-633.	0.2	3
61	Synthesis Of 4-Aryl-5-[2-Hydroxy-4-(2-Cytisin-12-Ylethoxy)Phenyl]Isoxazoles. <i>Chemistry of Natural Compounds</i> , 2016, 52, 463-467.	0.2	3
62	Synthesis and aminomethylation of regioisomeric 6-hydroxy-4-methyl- and 4-hydroxy-6-methylaurones. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 832-839.	0.6	3
63	Synthesis of 3,4-Dimethoxyisoflavone Derivatives. <i>Chemistry of Natural Compounds</i> , 2003, 39, 340-343.	0.2	2
64	A domino reaction for the synthesis of 2H-pyrano-[4,3,3',2',4,5]chromeno[2,3,4,5]thieno-[2,3-b]pyridin-2-ones. <i>Chemistry of Heterocyclic Compounds</i> , 2016, 52, 262-266.	0.2	2
65	Synthesis of 6-Isoxazolyl Derivatives of 4-Methylumbelliferone. <i>Chemistry of Natural Compounds</i> , 2017, 53, 642-645.	0.2	2
66	Chemoselective aminomethylation of harmol. <i>Chemistry of Heterocyclic Compounds</i> , 2018, 54, 1061-1064.	0.6	2
67	Synthesis of Isoflavone-Anabasine Conjugates. <i>Chemistry of Natural Compounds</i> , 2018, 54, 1068-1071.	0.2	2
68	Synthesis of Isoflavone-Amino-Acid Conjugates. <i>Chemistry of Natural Compounds</i> , 2019, 55, 813-817.	0.2	2
69	Synthesis of 7-(N-12-Cytisinylpropoxy)Isoflavones. <i>Chemistry of Natural Compounds</i> , 2020, 56, 1040-1043.	0.2	2
70	Chemistry of hetero analogs of isoflavones 25. Synthesis of 2-alkyl-3-(2-benzimidazolyl)-chromones. <i>Chemistry of Heterocyclic Compounds</i> , 2008, 44, 20-24.	0.6	1
71	Furo[2,3-h]Chromones and Pyrano[2,3,4,5,6]Chromeno [4,3-B]Pyridines Based on Natural Isoflavones. <i>Chemistry of Natural Compounds</i> , 2018, 54, 1064-1067.	0.2	1
72	Reactivity of Condensed Isoflavone Derivatives for Hydrazine. <i>Chemistry of Natural Compounds</i> , 2018, 54, 654-659.	0.2	1

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73	Aminomethylation of Afromosin, Cladrastin, and Their 2-Methyl Derivatives. <i>Chemistry of Natural Compounds</i> , 2018, 54, 660-664.	0.2	1
74	Synthesis and Modification of 6-thiazolyl-4-methylumbelliferone. <i>Chemistry of Natural Compounds</i> , 2018, 54, 439-442.	0.2	1
75	Synthesis and Properties of 2-Carboxyethyl and 2-Carboxypropylchromones. <i>Chemistry of Natural Compounds</i> , 2019, 55, 443-448.	0.2	1
76	Synthesis of anabasine-containing aminomethyl derivatives of 6-hydroxyaurones. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 212-216.	0.6	1
77	6-Hydroxyaurone aminomethyl derivatives in the inverse electron-demand Diels-Alder reaction. <i>Chemistry of Heterocyclic Compounds</i> , 2019, 55, 1179-1184.	0.6	1
78	Synthesis of Benzofurans Modified by Coumarin and Pyrazole Heterocycles. <i>Chemistry of Natural Compounds</i> , 2020, 56, 1060-1063.	0.2	1
79	Synthesis of 7-Hydroxy-8-Methyl-4'-Methoxy-6-Formylisoflavone and Linear Heterochromones Based on It. <i>Chemistry of Natural Compounds</i> , 2020, 56, 420-422.	0.2	1
80	Synthesis of Furoneoflavones Modified by Coumarin and (HET)Aroyl Substituents. <i>Chemistry of Natural Compounds</i> , 2021, 57, 33-37.	0.2	1
81	Chemoselective synthesis of 3-trifluoromethylpyrazole-deoxybenzoin hybrids. <i>Journal of Fluorine Chemistry</i> , 2021, 242, 109698.	0.9	1
82	Chemistry of 3-hetarylcoumarins. 2*. 3-(2-thiazolyl)coumarins. <i>Chemistry of Heterocyclic Compounds</i> , 2004, 40, 1408-1420.	0.6	0
83	Synthesis of 4-aminomethyl analogs of daphnetin. <i>Chemistry of Natural Compounds</i> , 2007, 43, 529-532.	0.2	0
84	Formylation of 5-hydroxybenzofuran derivatives and synthesis of furo-[3,2-f]coumarins based on them*. <i>Chemistry of Heterocyclic Compounds</i> , 2011, 47, 1155-1163.	0.6	0
85	Reductive Amination as an Aminomethylation Method for Isoflavone Ring B. <i>Chemistry of Natural Compounds</i> , 2016, 52, 802-806.	0.2	0
86	Conjugation of the Alkaloid Anabasine to Coumarins. <i>Chemistry of Natural Compounds</i> , 2019, 55, 628-631.	0.2	0
87	Synthesis of Coumarin-4-Ylmethyl Phosphonic Acids. <i>Chemistry of Natural Compounds</i> , 2019, 55, 632-637.	0.2	0
88	Synthesis of New Conjugates of Coumarins with Anabasine and Cytisine. <i>Chemistry of Natural Compounds</i> , 2021, 57, 9-13.	0.2	0
89	Photochemical Properties of Side Chain Aurone Polymers. <i>Springer Proceedings in Physics</i> , 2021, , 313-322.	0.1	0
90	Abstract 2674: Novel tubulin polymerization inhibitors repress tumor xenografts in nude mice and leukemia in zebrafish. , 2018, , .		0

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91	Synthesis and transformation of 6-aminomethyl derivatives of 7-hydroxy-2'-fluoroisoflavones. French-Ukrainian Journal of Chemistry, 2020, 8, 203-213.	0.1	0
92	Synthesis of 2-Trifluoroacetyl-3-alkyl/alkoxychromones and Their Reactions with 1,2-Bidentate Nucleophiles. Heterocycles, 2022, 104, .	0.4	0