

# Stanisław Boryczka

## List of Publications by Year in descending order

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55  
papers

885  
citations

471509

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docs citations

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times ranked

855  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Structure and Cytotoxic Activity of New Acetylenic Derivatives of Betulin. <i>Molecules</i> , 2013, 18, 4526-4543.	3.8	61
2	Novel Triazole Hybrids of Betulin: Synthesis and Biological Activity Profile. <i>Molecules</i> , 2017, 22, 1876.	3.8	48
3	Ciprofloxacin and moxifloxacin could interact with SARS-CoV-2 protease: preliminary in silico analysis. <i>Pharmacological Reports</i> , 2020, 72, 1553-1561.	3.3	47
4	Novel triazoles of 3-acetylbetulin and betulone as anticancer agents. <i>Medicinal Chemistry Research</i> , 2018, 27, 2051-2061.	2.4	39
5	New acetylenic derivatives of betulin and betulone, synthesis and cytotoxic activity. <i>Medicinal Chemistry Research</i> , 2017, 26, 1-8.	2.4	34
6	Investigation of lipophilicity of anticancer-active thioquinoline derivatives. <i>Biomedical Chromatography</i> , 2007, 21, 123-131.	1.7	32
7	Lipophilicity, Pharmacokinetic Properties, and Molecular Docking Study on SARS-CoV-2 Target for Betulin Triazole Derivatives with Attached 1,4-Quinone. <i>Pharmaceutics</i> , 2021, 13, 781.	4.5	32
8	X-Ray Crystal Structure of Betulinâ€“DMSO Solvate. <i>Journal of Chemical Crystallography</i> , 2012, 42, 345-351.	1.1	30
9	Betulin Phosphonates; Synthesis, Structure, and Cytotoxic Activity. <i>Molecules</i> , 2016, 21, 1123.	3.8	27
10	Betulin-1,4-quinone hybrids: Synthesis, anticancer activity and molecular docking study with NQO1 enzyme. <i>European Journal of Medicinal Chemistry</i> , 2019, 177, 302-315.	5.5	27
11	New phosphate derivatives of betulin as anticancer agents: Synthesis, crystal structure, and molecular docking study. <i>Bioorganic Chemistry</i> , 2019, 87, 613-628.	4.1	24
12	5,8-Quinolinedione Scaffold as a Promising Moiety of Bioactive Agents. <i>Molecules</i> , 2019, 24, 4115.	3.8	22
13	Alkynyloxy derivatives of 5,8-quinolinedione: Synthesis, in vitro cytotoxicity studies and computational molecular modeling with NAD(P)H:Quinone oxidoreductase 1. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 969-982.	5.5	21
14	Alkoxy and Eneidyne Derivatives Containing 1,4-Benzoquinone Subunitsâ€“Synthesis and Antitumor Activity. <i>Molecules</i> , 2017, 22, 447.	3.8	20
15	Molecular Structure, In Vitro Anticancer Study and Molecular Docking of New Phosphate Derivatives of Betulin. <i>Molecules</i> , 2021, 26, 737.	3.8	19
16	Influence of betulin and 28-O-propynoylbetulin on proliferation and apoptosis of human melanoma cells (G-361). <i>Postępy Higieny i Medycyny Doswiadczalnej</i> , 2014, 68, 191-197.	0.1	19
17	New Phosphorus Analogs of Bevirimat: Synthesis, Evaluation of Anti-HIV-1 Activity and Molecular Docking Study. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5209.	4.1	18
18	Bioresorbable filomicelles for targeted delivery of betulin derivative â€“ In vitro study. <i>International Journal of Pharmaceutics</i> , 2019, 557, 43-52.	5.2	18

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19	Synthesis, Structure and Cytotoxic Activity of Mono- and Dialkoxy Derivatives of 5,8-Quinolinedione. <i>Molecules</i> , 2016, 21, 156.	3.8	17
20	New Acetylenic Amine Derivatives of 5,8-Quinolinediones: Synthesis, Crystal Structure and Antiproliferative Activity. <i>Crystals</i> , 2017, 7, 15.	2.2	17
21	Synthesis, crystal structure and infrared spectra of new 6- and 7-propylamine-5,8-quinolinediones. <i>Journal of Molecular Structure</i> , 2014, 1067, 160-168.	3.6	16
22	Synthesis, Anti-Breast Cancer Activity, and Molecular Docking Study of a New Group of Acetylenic Quinolinesulfonamide Derivatives. <i>Molecules</i> , 2017, 22, 300.	3.8	16
23	Design, synthesis and biological activity of 1,4-quinone moiety attached to betulin derivatives as potent DT-diaphorase substrate. <i>Bioorganic Chemistry</i> , 2021, 106, 104478.	4.1	16
24	X-Ray Diffraction and Infrared Spectroscopy of N,N- Dimethylformamide and Dimethyl Sulfoxide Solvatomorphs of Betulonic Acid. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 4458-4471.	3.3	15
25	RP TLC determination of the lipophilicity of anticancer-active propargyl thioquinolines. <i>Journal of Planar Chromatography - Modern TLC</i> , 2003, 16, 117-120.	1.2	14
26	Synthesis, structure and cytotoxic activity of acetylenic derivatives of betulonic and betulinic acids. <i>Journal of Molecular Structure</i> , 2016, 1106, 210-219.	3.6	14
27	Phosphate Derivatives of 3-Carboxyacetylbetulin: Synthesis, In Vitro Anti-HIV and Molecular Docking Study. <i>Biomolecules</i> , 2020, 10, 1148.	4.0	14
28	Structural, vibrational and quantum chemical investigations for 6,7-dichloro-2-methyl-5,8-quinolinedione. Cytotoxic and molecular docking studies. <i>Journal of Molecular Structure</i> , 2018, 1168, 73-83.	3.6	13
29	Chromatographic and Computational Screening of Lipophilicity and Pharmacokinetics of Newly Synthesized Betulin-1,4-quinone Hybrids. <i>Processes</i> , 2021, 9, 376.	2.8	13
30	Synthesis, molecular docking study, and evaluation of the antiproliferative action of a new group of propargylthio- and propargylselenoquinolines. <i>Medicinal Chemistry Research</i> , 2014, 23, 3468-3477.	2.4	12
31	Biological Activity and In Silico Study of 3-Modified Derivatives of Betulin and Betulinic Aldehyde. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1372.	4.1	12
32	Application of TLC to Evaluate the Lipophilicity of Newly Synthesized Betulin Derivatives. <i>Journal of Chromatographic Science</i> , 2020, 58, 323-333.	1.4	12
33	Novel betulin dicarboxylic acid ester derivatives as potent antiviral agents: Design, synthesis, biological evaluation, structure-activity relationship and in-silico study. <i>European Journal of Medicinal Chemistry</i> , 2021, 225, 113738.	5.5	11
34	The role of MITF and Mcl-1 proteins in the antiproliferative and proapoptotic effect of ciprofloxacin in amelanotic melanoma cells: In silico and in vitro study. <i>Toxicology in Vitro</i> , 2020, 66, 104884.	2.4	11
35	Determination of the lipophilicity of quinolinesulfonamides by reversed-phase HPLC and theoretical calculations. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2016, 39, 702-709.	1.0	10
36	Acetylenic derivative of betulin induces apoptosis in endometrial adenocarcinoma cell line. <i>Biomedicine and Pharmacotherapy</i> , 2017, 95, 429-436.	5.6	10

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37	Application of TLC for Evaluation of the Lipophilicity of Newly Synthesized Esters: Betulin Derivatives. <i>Journal of Analytical Methods in Chemistry</i> , 2019, 2019, 1-7.	1.6	10
38	Anticancer Activity of the Acetylenic Derivative of Betulin Phosphate Involves Induction of Necrotic-Like Death in Breast Cancer Cells In Vitro. <i>Molecules</i> , 2021, 26, 615.	3.8	10
39	Synthesis and in vitro antiproliferative activity of novel (4-chloro- and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 662 Td (4-acylox...	2.4	8
40	Synthesis and anticancer activity evaluation of a quinoline-based 1,2,3-triazoles. <i>Medicinal Chemistry Research</i> , 2017, 26, 2432-2442.	2.4	8
41	Synthetic Betulin Derivatives Inhibit Growth of Glioma Cells <i>In Vitro</i> . <i>Anticancer Research</i> , 2020, 40, 6151-6158.	1.1	8
42	Structural and spectral characterisation of 2-amino-2H-[1,2,3]triazolo[4,5-g]quinoline-4,9-dione polymorphs. Cytotoxic activity and molecular docking study with NQO1 enzyme. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118038.	3.9	8
43	Application of thin-layer chromatography to evaluate the lipophilicity of 5,8-quinolinedione compounds. <i>Journal of Planar Chromatography - Modern TLC</i> , 2017, 30, 219-224.	1.2	7
44	New 30-substituted derivatives of pentacyclic triterpenes: preparation, biological activity, and molecular docking study. <i>Journal of Molecular Structure</i> , 2021, 1226, 129394.	3.6	7
45	The Influence of Betulin and Its Derivatives EB5 and ECH147 on the Antioxidant Status of Human Renal Proximal Tubule Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2022, 23, 2524.	4.1	7
46	The application of in silico experimental model in the assessment of ciprofloxacin and levofloxacin interaction with main SARS-CoV-2 targets: S-, E- and TMPRSS2 proteins, RNA-dependent RNA polymerase and papain-like protease (PLpro) – preliminary molecular docking analysis. <i>Pharmacological Reports</i> , 2021, 73, 1765-1780.	3.3	5
47	Spectroscopic Investigations, Computational Analysis and Molecular Docking to SAR-Cov-2 Targets Studies of 5,8-Quinolinedione Attached to Betulin Derivatives. <i>Crystals</i> , 2021, 11, 76.	2.2	5
48	Lup-20(29)-en-28-ol-3-one (betulone). <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013, 69, o795-o796.	0.2	4
49	Chromatographic and Computational Assessment of Lipophilicity of New Anticancer Acetylenequinoline Derivatives. <i>Journal of Chromatographic Science</i> , 2017, 55, 934-939.	1.4	4
50	Correlation between the composition of PLA-based folate targeted micelles and release of phosphonate derivative of betulin. <i>Journal of Drug Delivery Science and Technology</i> , 2021, 65, 102717.	3.0	4
51	Quinolinesulfonamides: Interaction between bovine serum albumin, molecular docking analysis, and antiproliferative activity against human breast carcinoma cells. <i>Spectroscopy Letters</i> , 2017, 50, 532-538.	1.0	3
52	Acetylenic Synthetic Betulin Derivatives Inhibit Akt and Erk Kinases Activity, Trigger Apoptosis and Suppress Proliferation of Neuroblastoma and Rhabdomyosarcoma Cell Lines. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12299.	4.1	3
53	Polymorphic forms of lupane triterpenoid betulonic aldehyde (betulonal). <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 847-851.	0.5	1
54	Synthesis and Transformations of 2-Oxo-2,3-dihydro-(1H,3H)-quino[4,3-e]-1,2,4-thiadiazine 4,4-Dioxide to N-Methyl-, 2-Chloro- and 2-Aminoquino[4,3-e]-1,2,4-thiadiazine 4,4-Dioxides. <i>Heterocycles</i> , 2015, 91, 2097.	0.7	1

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55	Influence of 28-O-propynoylbetulin on proliferation and apoptosis of melanotic and amelanotic human melanoma cells. <i>Postepy Higieny I Medycyny Doswiadczalnej</i> , 2016, 70, 1404-1408.	0.1	1